

## SY '12 High School Career Education Programs and Courses

Programs/Courses (NOTE: ALL Courses must be taken in order to be considered a program completer)	Credits	Type of Credit	Occupational Completion Points	PA=Practical Arts Course that meets Arts High School Graduation Requirement	Course provides local level honors credit, but is a level 2 course at the state level
<b>Agribusiness and Natural Resources Education</b>					
<b><i>Horticultural Science &amp; Services - 8121600</i></b>					
	<b>6</b>				
8106810 Agriscience Foundations 1	1 Cr	R			
8121510 Introductory Horticulture 2	1 Cr	R			
8121520 Horticultural Science 3*	1 Cr	H	A - Horticultural Worker 1	PA	
8121610 Horticulture Science and Services 4*	1 Cr	H			✓
8121620 Horticulture Science and Services 5*	1 Cr	H			✓
8121630 Horticulture Science and Services 6*	1 Cr	H	B - Horticultural Specialty Grower, Inside		✓
<b><i>Landscape Operations - 8121300</i></b>					
	<b>6</b>		May be taken concurrently with Sports and Recreational Turf Operations Program		
8106810 Agriscience Foundations 1	1 Cr	R			
8121510 Introductory Horticulture 2	1 Cr	R			
8121520 Horticultural Science 3*	1 Cr	H	A - Landscape Specialist	PA	
8121310 Landscape and Turf Science 4*	1 Cr	H			✓
8121320 Landscape and Turf Science 5*	1 Cr	H			✓
8121330 Landscape Operations 6*	1 Cr	H	B - First-Line Supervisors/Managers of Landscaping, Lawn Service and Groundskeeping Workers		✓
<b><i>Veterinary Assisting - 8115110</i></b>					
	<b>5</b>		South Tech Academy Only		
8111510 Veterinary Assisting 1	1 Cr	R			
8111540 Veterinary Assisting 2	1 Cr	R			
8111550 Veterinary Assisting 3*	1 Cr	H	A - Veterinary Assistants and Laboratory Animal Caretakers		
8111520 Veterinary Assisting 4*	1 Cr	H	B - Veterinary Assistants and Laboratory Animal Caretakers		
8111530 Veterinary Assisting 5*	1 Cr	H	C - Veterinary Assistants and Laboratory Animal Caretakers		
<b><i>Agricultural Education Directed Study</i></b>					
	<b>Multiple</b>				
8100100 - Agricultural Education Directed Study - (Gr 11-12 only)	Multiple	R	N/A		
<b><i>Advanced Concepts of Agriscience</i></b>					
	<b>Multiple</b>				
8100330 - Advanced Concepts of Agriscience--(Gr 11-12 only)	1 Cr	R	N/A		

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<b>Business Technology Education</b>					
<b>Game/Simulation/Animation Visual Design - 8208100</b>					
8208110 Game & Simulation Foundations	1 Cr	R		PA	
8208120 Game & Simulation Design	1 Cr	R	A - Game/Simulation Designer	PA	
8208130 Game & Simulation 2D Graphic Development	1 Cr	R	B - Game/Simulation Graphic Artist	PA	
8208140 Game & Simulation 3D Graphic Animation	1 Cr	R	C - Game/Simulation 3D Animator	PA	
<b>Game/Simulation/Animation Audio/Video Effects - 8208200</b>					
8208110 Game & Simulation Foundations	1 Cr	R		PA	
8208120 Game & Simulation Design	1 Cr	H	A - Game/Simulation Designer	PA	
8208230 Game & Simulation Audio & Sound Effects	1 Cr	H	B - Digital Media Artist	PA	
8208240 Game & Simulation Video & Special Effects	1 Cr	R	C - Digital Media Specialist	PA	
<b>Game/Simulation/Animation Programming - 8208300</b>					
8208110 Game & Simulation Foundations	1 Cr	R		PA	
8208120 Game & Simulation Design	1 Cr	H	A - Game/Simulation Designer	PA	
8208330 Game & Simulation Programming	1 Cr	H	B - Game/Simulation Programmer		✓
8208340 Multi-User Game & Simulation Programming	1 Cr	R	C - Game/Simulation Software Developer	PA	
<b>Game/Simulation/Animation Adv. Applications - 8208400</b>					
8208400 Game, Simulation, & Animation Advanced Applications	1 Cr	R	A - Video Game Designer		
<b>International Business - 8216100</b>					
8207310 Introduction to Information Technology	1 Cr	R	A - Information Technology Assistant	PA	
8203310 Accounting Application I	1 Cr	R			
8216110 International Business Systems*	1 Cr	H			✓
8216120 International Finance and Law*	1 Cr	H			
8216130 Business Internship	1 Cr	H	B - Manager Trainee		✓

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<b><i>Accounting Operations - 8203400</i></b>	<b>6</b>				
8207310 Introduction to Information Technology	1 Cr	R	A - Information Technology Assistant	PA	
8203310 Accounting Applications 1	1 Cr	R			
8203320 Accounting Applications 2 *	1 Cr	H	B - Accounting Clerk		✓
8203330 Accounting Applications 3 *	1 Cr	H			
8203340 Accounting Applications 4 *	1 Cr	H	C - Accounting Associate		
8203350 Accounting Applications 5 *	1 Cr	H	D - Accounting Assistant		
<b><i>Business Supervision and Management - 8215200</i></b>	<b>6</b>				
8207310 Introduction to Information Technology	1 Cr	R	A - Information Technology Assistant	PA	
8215120 Business and Entrepreneurial Principles	1 Cr	H			
8215130 Legal Aspects of Business	1 Cr	H	B - Supervisor/Manager Trainee		
8215140 Business Supervision 1 *	1 Cr	R			
8215150 Business Supervision 2 *	1 Cr	R			
8215160 Business Supervision 3 *	1 Cr	R	C - Supervisor		
<b><i>Digital Design - 8209600</i></b>	<b>8</b>				
8207310 Introduction to Information Technology	1 Cr	R	A - Information Technology Assistant	PA	
8209510 Digital Design 1	1 Cr	R	B - Production Assistant	PA	
8209520 Digital Design 2 *	1 Cr	H		PA	
8209530 Digital Design 3 *	1 Cr	H	C - Digital Assistant Designer	PA	
8209540 Digital Design 4 *	1 Cr	H		PA	
8209550 Digital Design 5 *	1 Cr	H	D - Graphic Designer	PA	
8209560 Digital Design 6 *	1 Cr	H		PA	
8209570 Digital Design 7 *	1 Cr	H	E - Media Designer	PA	
<b><i>Electronic Business Enterprise - 8200300</i></b>	<b>4</b>				
8207310 Introduction to Information Technology	1 Cr	R	A - Information Technology Assistant	PA	
8200340 Introduction to E-Commerce	1 Cr	R	B - E-Commerce Customer Service Representative	PA	
8200350 E-Commerce Entrepreneurship *	1 Cr	H	C - E-Commerce Entrepreneur		✓
8200360 E-Commerce Systems Analysis and Design *	1 Cr	H	D - E-Commerce Web Assistant		✓

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<b><i>Network Support Services - 8208000</i></b>	<b>7</b>				
8207310 Introduction to Information Technology	1 Cr	R	A - Information Technology Assistant		
8207020 Networking 1	1 Cr	R	B - Computer Support Assistant		
8207030 Networking Infrastructure 2*	1 Cr	H	C - Network Support Help Desk		
8207040 Networking Infrastructure 3*	1 Cr	H	D - Network Support Administrator		
8207050 Networking Infrastructure 4*	1 Cr	H	E - Senior Network Administrator		
8207060 Networking 5*	1 Cr	H	F - Wireless Network Administrator		
8207070 Networking 6*	1 Cr	H	G - Data Communication Analyst		
<b><i>PC Support Services - 8207340</i></b>	<b>6</b>				
8207310 Introduction to Information Technology	1 Cr	R	A - Information Technology Assistant	PA	
8207210 PC Support 1	1 Cr	R			
8207220 PC Support 2*	1 Cr	H	B - Help Desk Support Assistant		
8207230 PC Support 3*	1 Cr	H			
8207240 PC Support 4*	1 Cr	H	C - Help Desk Technician		
8207250 PC Support 5*	1 Cr	H	D - Help Desk Analyst		
<b><i>New Media Technology - 8207400</i></b>	<b>4</b>				
8207310 Introduction to Information Technology	1 Cr	R	A - Information Technology Assistant	PA	
8207410 New Media and Digital Imaging Fundamentals	1 Cr	R	B - Presentation Specialist	PA	
8207420 Digital Video and Sound Fundamentals *	1 Cr	H	C - Presentation Graphic Artist	PA	✓
8207110 Web Design 1	1 Cr	R	D - Web Production/Design Assistant	PA	
<b><i>Web Development - 9001100</i></b>	<b>7</b>				
8207310 Introduction to Information Technology	1 Cr	R	A - Information Technology Assistant	PA	
9001110 Foundations of Web Design	1 Cr	H		PA	
9001120 User Interface Design	1 Cr	H	B - Assistant Web Designer	PA	
9001130 Web Scripting Fundamentals	1 Cr	H		PA	
9001140 Media Integration Essentials	1 Cr	H	C - Senior Web Designer (Web Media Integration)	PA	
9001150 E-commerce & Marketing Essentials	1 Cr	H			
9001160 Interactivity Essentials	1 Cr	H	D - Senior Web Designer (Web Interactivity)	PA	

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<b>Web Design Services - 8207500</b>	<b>7</b>		Daggered, please refer to District Bulletin P-13891-CAO		
8207310 Introduction to Information Technology	1 Cr	R	A - Information Technology Assistant	PA	
8207110 Web Design 1	1 Cr	R		PA	
8207120 Web Design 2*	1 Cr	H	B - Assistant Web Designer	PA	
8207130 Web Design 3*	1 Cr	H		PA	
8207140 Web Design 4*	1 Cr	H	C - Web Designer	PA	
8207150 Web Design 5*	1 Cr	H		PA	
8207160 Web Design 6*	1 Cr	H	D - Senior Web Producer	PA	
<b>Business Cooperative Education - OJT</b>	<b>Multiple</b>				
8200410 Business Cooperative Education	Multiple	R	N/A		

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<b>Diversified Education</b>					
<i>Diversified Career Technology - 8300310</i>					
8303010 Diversified Career Technology Principles	1 Cr	R			
8300410 Diversified Career Technology OJT	1 Cr	R	First OCP: A - Agriculture and Natural Resources B - Architecture and Construction C - Arts, Audio / Video Tech. And Communications D - Business & Administration E - Education & Training F - Finance G - Government & Public Administration H - Health Service I - Hospitality and Tourism J - Human Services K - Information Technology L - Law & Public Safety M - Manufacturing N - Retail / Wholesale Sales & Service O - Scientific Research & Engineering P - Transportation, Distribution, and Logistics Services		
8303020 Diversified Career Technology Applications	1 Cr	R	Second OCP: A - P		
8303030 Diversified Career Technology Management *	1 Cr	H	Third OCP: A - P		✓
<i>Cooperative Diversified Education - OJT</i>					
8300420 Cooperative Diversified Education - OJT	Multiple	R	N/A		
<i>Work Experience - 8301600</i>					
8301310 - Work Experience 1	1	R			
8301620 - Work Experience 2	1	R			
8301630 - Work Experience 3	1	R			
8301640 - Work Experience 4	1	R			
8301650 - Work Experience OJT	Multiple	R			
<i>Workplace Essentials</i>					
8300310 Workplace Essentials	0.5	R	OCPs: A-P		

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<b>Family and Consumer Sciences</b>					
<i>Culinary Arts - 8800500</i>					
	4				
8800510 Culinary Arts 1	1 Cr	R	A - Food & Beverage Preparation		
8800520 Culinary Arts 2	1 Cr	R	B - Cook - Waiter/Waitress	PA	
8800530 Culinary Arts 3*	1 Cr	H	C - Cook Kitchen Helper - Restaurant Cashier	PA	✓
8800540 Culinary Arts 4*	1 Cr	H	D - Cook, Institutional or Cafeteria		
<i>Culinary &amp; Hospitality Specialties - 8800600</i>					
	2		Students must complete Culinary Arts as pre-requisite		
8800610 Culinary & Hospitality Specialties 1	1 Cr	R	A - Food Service Managers		
8800620 Culinary & Hospitality Specialties 2	1 Cr	R	B - Chefs and Head Cooks		
<i>Early Childhood Education - 8503210</i>					
	4				
8503210 Early Childhood Education 1	1 Cr	R	A & B - Child Care Worker & Childcare Teacher Aide		
8503212 Early Childhood Education 2	1Cr	R			
8503213 Early Childhood Education 3*	1Cr	H	C - Preschool Teacher	PA	✓
8503214 Early Childhood Education 4*	1 Cr	H	D - Childcare Development Specialist		
<i>Secondary School Age Certification Training - 8500160</i>					
	4				
8500170 Secondary School-Age Certification Training 1	1 Cr	R	A - Child Care Worker		
8500175 Secondary School-Age Certification Training 2	1Cr	R			
8500180 Secondary School-Age Certification Training 3*	1Cr	H			✓
8500185 Secondary School-Age Certification Training 4*	1 Cr	H	B - School-Age Care Professional		✓
<i>DESIGN SERVICES CLUSTER Interior Design Services - 8506500</i>					
	4				
8506405 Design Services Core	1 Cr	R	A - Retail Sales Person		
8506540 Principles of Interior Design Services	1 Cr	R	B - Interior Design Assistant	PA	
8506550 Interior Design Techniques*	1 Cr	H	C - Drafter	PA	✓
8506560 Interior Design Specialist*	1 Cr	H	D - Interior Design Specialist	PA	
<i>DESIGN SERVICES CLUSTER Fashion Design Services - 8506400</i>					
	4				
8506405 Design Services Core	1 Cr	R	A - Retail Sales Person		
8506410 Principles of Fashion Design Services	1 Cr	R	B - Tailor, Dressmaker, Custom Sewer	PA	
8506420 Pattern Design Techniques*	1 Cr	H	C - Fabric & Apparel Patternmakers	PA	✓
8506430 Fashion Design Specialist*	1 Cr	H	D - Costume Design	PA	
<i>Family and Consumer Sciences Cooperative OJT</i>					
	Multiple				
8500410 Family and Consumer Sciences Cooperative OJT-	Multiple	R	N/A		
<i>Family and Consumer Sciences Directed Study</i>					
	Multiple				
8500100 Family & Consumer Sciences Directed Study-	Multiple	R	N/A		

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<b>Health Science Education</b>					
<b>Allied Health Assisting - 8417130</b>					
8417100 Health Science 1* or 2000350 Anatomy & Physiology or 2000360 Anatomy & Physiology Honors	3				
8417100 Health Science 1* or 2000350 Anatomy & Physiology or 2000360 Anatomy & Physiology Honors	1 Cr	H			✓
8417110 Health Science 2*	1 Cr	H	A - Basic Healthcare Worker		✓
8417131 Allied Health Assisting 3*	1 Cr	H	B - Allied Health Assistant		✓
<b>Dental Aide - 8417140</b>					
8417100 Health Science 1* or 2000350 Anatomy & Physiology or 2000360 Anatomy & Physiology Honors	3				
8417100 Health Science 1* or 2000350 Anatomy & Physiology or 2000360 Anatomy & Physiology Honors	1 Cr	H			✓
8417110 Health Science 2*	1 Cr	H	A - Basic Healthcare Worker		✓
8417141 Dental Aide 3*	1 Cr	H	B - Dental Aide		✓
<b>Electrocardiograph (EKG) Aide - 8417160</b>					
8417100 Health Science 1* or 2000350 Anatomy & Physiology or 2000360 Anatomy & Physiology Honors	2.5				
8417100 Health Science 1* or 2000350 Anatomy & Physiology or 2000360 Anatomy & Physiology Honors	1 Cr	H			✓
8417110 Health Science 2*	1 Cr	H	A - Basic Healthcare Worker		✓
8417161 Electrocardiograph Aide 3*	.5 Cr	H	B - Electrocardiograph Aide		✓
<b>Emergency Medical Technician (EMT) - Basic W17025</b>					
Postsecondary--Articulations with Health Career Institute			**The number of transfered credits awarded will be at the discretion of the receiving post-secondary institution		
8417100 Health Science 1* or 2000350 Anatomy & Physiology or 2000360 Anatomy & Physiology Honors	1 Cr	H			✓
8417110 Health Science 2*	1 Cr	H	A - Basic Healthcare Worker		✓
8417171 Emergency Medical Responder 3*	1 Cr	H	B - Emergency Medical Responder		✓
<b>EMS0159 (Emergency Medical Technician)</b>					
<b>Emergency Medical Responder - 8417170</b>			<b>B - Emergency Medical Technician-Basic (Post-secondary)</b>		
8417100 Health Science 1* or 2000350 Anatomy & Physiology or 2000360 Anatomy & Physiology Honors	3				
8417100 Health Science 1* or 2000350 Anatomy & Physiology or 2000360 Anatomy & Physiology Honors	1 Cr	H			✓
8417110 Health Science 2*	1 Cr	H	A - Basic Healthcare Worker		✓
8417171 Emergency Medical Responder 3*	1 Cr	H	B - Emergency Medical Responder		✓
<b>Health Unit Coordinator - 8417280</b>					
8417100 Health Science 1* or 2000350 Anatomy & Physiology or 2000360 Anatomy & Physiology Honors	4				
8417100 Health Science 1* or 2000350 Anatomy & Physiology or 2000360 Anatomy & Physiology Honors	1 Cr	H			✓
8417110 Health Science 2*	1 Cr	H	A - Basic Healthcare Worker		✓
8417281 Health Unit Coordinator 1*	1 Cr	H			✓
8417282 Health Unit Coordinator 2*	1 Cr	H	B - Health Unit Clerk		✓

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<b><i>Home Health Aide - 8417190</i></b>	<b>2.5</b>				
8417100 Health Science 1* <span style="float: right;">or</span>	1 Cr	H			✓
2000350 Anatomy & Physiology <span style="float: right;">or</span>					
2000360 Anatomy & Physiology Honors					
8417110 Health Science 2*	1 Cr	H	A - Basic Healthcare Worker		✓
8417191 Home Health Aide 3*	.5 Cr	H	B - Home Health Aide		✓
<b><i>Medical Lab Assisting - 8417200</i></b>	<b>4</b>				
8417100 Health Science 1* <span style="float: right;">or</span>	1 Cr	H			✓
2000350 Anatomy & Physiology <span style="float: right;">or</span>					
2000360 Anatomy & Physiology Honors					
8417110 Health Science 2*	1 Cr	H	A - Basic Healthcare Worker		✓
8417201 Medical Laboratory Assisting 3*	1 Cr	H			✓
8417202 Medical Laboratory Assisting 4*	1 Cr	H	B - Medical Lab Assistant		✓
<b><i>Patient Care Assistant - H170692</i></b>	<b>3.5</b>		<b>PSAV</b>		
8417100 Health Science 1* <span style="float: right;">or</span>	1 Cr	H			✓
2000350 Anatomy & Physiology <span style="float: right;">or</span>					
2000360 Anatomy & Physiology Honors					
8417110 Health Science 2*	1 Cr	H	A - Basic Healthcare Worker		✓
8417211 Nursing Assistant 3*	1 Cr	H	B - Nursing Assistant		✓
8417191 Home Health Aide 3*	.5 Cr	H	B - Home Health Aide		✓
<b><i>Nursing Assistant - 8417210</i></b>	<b>3</b>				
8417100 Health Science 1* <span style="float: right;">or</span>	1 Cr	H			✓
2000350 Anatomy & Physiology <span style="float: right;">or</span>					
2000360 Anatomy & Physiology Honors					
8417110 Health Science 2*	1 Cr	H	A - Basic Healthcare Worker		✓
8417211 Nursing Assistant 3*	1 Cr	H	B - Nursing Assistant		✓



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<b>Industrial Education</b>					
<i>Air Conditioning, Refrigeration, and Heating Technology - 8723000</i>					
	<b>7</b>				
8713010 Air Conditioning, Refrigeration & Heating Technology 1	1 Cr	R			
8713020 Air Conditioning, Refrigeration & Heating Technology 2	1 Cr	R	A - A/C, Refrigeration & Heating Mechanic Helper		
8713030 Air Conditioning, Refrigeration & Heating Technology 3*	1 Cr	H			✓
8713040 Air Conditioning, Refrigeration & Heating Technology 4*	1 Cr	H	B - A/C, Refrigeration & Heating Mechanic Assistant		✓
8713050 Air Conditioning, Refrigeration & Heating Technology 5*	1 Cr	H			✓
8713060 Air Conditioning, Refrigeration & Heating Technology 6*	1 Cr	H			✓
8713070 Air Conditioning, Refrigeration & Heating Technology 7*	1 Cr	H	C - A/C, Refrigeration & Heating Mechanic		✓
<i>Automotive Collision Repair &amp; Refinishing - 8709000</i>					
	<b>9</b>				
8709010 Automotive Collision Repair & Refinishing 1	1 Cr	R			
8709020 Automotive Collision Repair & Refinishing 2	1 Cr	R			
8709030 Automotive Collision Repair & Refinishing 3*	1 Cr	H	A - Paint and Body Helper		✓
8709040 Automotive Collision Repair & Refinishing 4*	1 Cr	H	B - Auto Collision Estimator		✓
8709050 Automotive Collision Repair & Refinishing 5*	1 Cr	H	C - Frame & Body Repairman		✓
8709060 Automotive Collision Repair & Refinishing 6*	1 Cr	H			✓
8709070 Automotive Collision Repair & Refinishing 7*	1 Cr	H	D - Automotive Refinisher		✓
8709080 Automotive Collision Repair & Refinishing 8*	1 Cr	H			✓
8709090 Automotive Collision Repair & Refinishing 9*	1 Cr	H	E - Auto Body Repairer		✓
<i>Auto Detailing &amp; Reconditioning - 8710000</i>					
	<b>3</b>				
8710010 Automotive Detailing 1	1 Cr	R	A - Basic Prep/Automotive		
8710020 Automotive Detailing 2	1 Cr	R	B - Reconditioning Detailer		
8710030 Automotive Detailing 3*	1 Cr	R	C - Automobile Detailer		

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<i>Automotive Service Technology - 8709400</i>	12		Note: Auto Service Tech 2 and 3 are offered only at Inlet Grove and South Tech Academy high schools.  Note: Auto Service Tech 4 and 5 are not offered in PBCSD Schools. These courses may be taken at PBCC after graduation.		
8709410 Automotive Service Technology1	1 Cr	R			
8709420 Automotive Service Technology 2	1 Cr	R	A - Automotive Services Assistor (Offered at South Tech Only) (Not part of NATEF)		
8709430 Automotive Service Technology 3 *	1 Cr	H	B - Engine Repair Technician (Offered at South Tech Only) (Not part of NATEF)		✓
8709440 Automotive Service Technology 4 *	1 Cr	H	C - Automatic Transmission & Transmission & Trans axle Technician (Offered at South Tech Only) (Not part of NATEF)		✓
8709450 Automotive Service Technology 5 *	1 Cr	H	D - Manual Drive train & Axle Technician (Offered at South Tech Only) (Not part of NATEF)		✓
8709460 Automotive Service Technology 6 *	1 Cr	H	E - Automobile Suspension & Steering Technician		✓
8709470 Automotive Service Technology 7 *	1 Cr	H	F - Automobile Brake System Technician		
8709480 Automotive Service Technology 8 *	1 Cr	H			
8709490 Automotive Service Technology 9 *	1 Cr	H	G - Auto Electrical/Electronic System Tech.		
8709491 Automotive Service Technology 10 *	1 Cr	H	H - Auto Heating/Air Conditioning Tech. (Not part of NATEF)		
8709492 Automotive Service Technology 11 *	1 Cr	H			
8709493 Automotive Service Technology 12 *	1 Cr	H	I - Auto Engine Performance Tech.		

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<b><i>Building Construction Technology - 8720300</i></b>	<b>7</b>				
8720310 Building Construction Technology 1	1 Cr	R			
8720320 Building Construction Technology 2	1 Cr	R			
8720330 Building Construction Technology 3 *	1 Cr	H	A - Building Construction Helper		✓
8720340 Building Construction Technology 4 *	1 Cr	H			✓
8720350 Building Construction Technology 5 *	1 Cr	H			✓
8720360 Building Construction Technology 6 *	1 Cr	H			✓
8720370 Building Construction Technology 7 *	1 Cr	H	B - Building Construction Technician		✓
<b><i>Carpentry - 8722100</i></b>	<b>7</b>				
8722110 Carpentry and Cabinetmaking 1	1 Cr	R			
8722120 Carpentry and Cabinetmaking 2	1 Cr	R	A - Carpenter Helper		
8722130 Carpentry and Cabinetmaking 3 *	1 Cr	H	B - Trim and Finish Carpenter		
8722140 Carpentry 4 *	1 Cr	H			
8722150 Carpentry 5 *	1 Cr	H	C - Carpenter, Rough		
8722160 Carpentry 6 *	1 Cr	H			
8722170 Carpentry 7 *	1 Cr	H			
<b><i>Commercial Art Technology - 8718000</i></b>	<b>10</b>				
8718010 Commercial Art 1	1 Cr	R		PA	
8718020 Commercial Art 2	1 Cr	R		PA	
8718030 Commercial Art 3 *	1 Cr	H	A - Desktop Publishing Assistant	PA	✓
8718040 Commercial Art 4 *	1 Cr	H		PA	✓
8718050 Commercial Art 5 *	1 Cr	H		PA	✓
8718060 Commercial Art 6 *	1 Cr	H	B - Design Technician	PA	✓
8718070 Commercial Art 7 *	1 Cr	H		PA	✓
8718080 Commercial Art 8 *	1 Cr	H	C - Illustrator	PA	✓
8718090 Commercial Art 9 *	1 Cr	H		PA	✓
8718091 Commercial Art 10 *	1 Cr	H	D - Print Media Artist	PA	✓

## SY '12 High School Career Education Programs and Courses

Programs/Courses (NOTE: ALL Courses must be taken in order to be considered a program completer)	Credits	Type of Credit	Occupational Completion Points	PA=Practical Arts Course that meets Arts High School Graduation Requirement	Course provides local level honors credit, but is a level 2 course at the state level
<b>DRAFTING CLUSTER</b>					
<b>Drafting Technologies - 8725000</b>					
8725010 Drafting 1	1 Cr	R	A - Blueprint Reader	PA	
8725020 Drafting 2	1 Cr	R		PA	
8725030 Drafting 3*	1 Cr	H		PA	
8725040 Drafting 4*	1 Cr	H	B - Drafting Assistant	PA	
<b>Architectural Drafting - 8725400</b>					
<b>Charter High School Only</b>					
8725010 Drafting 1	1 Cr	R	A - Blueprint Reader	PA	
8725020 Drafting 2	1 Cr	R		PA	
8725030 Drafting 3*	1 Cr	H		PA	
8725040 Drafting 4*	1 Cr	H	B - Drafting Assistant	PA	
8725450 Architectural Drafting 5*	1 Cr	H		PA	
8725460 Architectural Drafting 6*	1 Cr	H	C - Drafting Detailer	PA	
8725470 Architectural Drafting 7*	1 Cr	H		PA	
8725480 Architectural Drafting 8*	1 Cr	H		PA	
8725490 Architectural Drafting 9*	1 Cr	H	D - CAD Drafter	PA	
8725491 Architectural Drafting 10*	1 Cr	H		PA	
8725492 Architectural Drafting 11*	1 Cr	H		PA	
8725493 Architectural Drafting 12*	1 Cr	H		PA	
8725494 Architectural Drafting 13*	1 Cr	H	E - Drafter, Architectural	PA	

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## SY '12 High School Career Education Programs and Courses

Programs/Courses (NOTE: ALL Courses must be taken in order to be considered a program completer)	Credits	Type of Credit	Occupational Completion Points	PA=Practical Arts Course that meets Arts High School Graduation Requirement	Course provides local level honors credit, but is a level 2 course at the state level
<b><i>Cosmetology - 8757200</i></b>	<b>8</b>		<b>Charter High School Only</b>		
8757210 Grooming and Salon Services Core 1	.5 Cr	R			
8757280 Cosmetology 2	.5 Cr	R		PA	
8757290 Cosmetology 3	1 Cr	R		PA	
8757220 Cosmetology 4*	1 Cr	H			✓
8757230 Cosmetology 5*	1 Cr	H			✓
8757240 Cosmetology 6*	1 Cr	H		PA	✓
8757250 Cosmetology 7*	1 Cr	H		PA	✓
8757260 Cosmetology 8*	1 Cr	H		PA	✓
8757270 Cosmetology 9*	1 Cr	H	C - Hairdresser & Cosmetologist	PA	✓
<b><i>Nails Specialty - 8757300</i></b>	<b>2</b>		<b>Charter High School Only</b>		
8757210 Grooming and Salon Services Core 1	.5 Cr	R			
8757310 Nails Specialty 2	.5 Cr	R			
8757320 Nails Specialty 3	1 Cr	R	A - Manicurist & Pedicurist		
<b><i>Facials Specialty -8757400</i></b>	<b>2</b>		<b>Charter High School Only</b>		
8757210 Grooming and Salon Services Core 1	.5 Cr	R			
8757410 Facial Specialty 2	.5 Cr	R			
8757420 Facial Specialty 3	1 Cr	R	A - Facials / Skin Care Specialist		

## SY '12 High School Career Education Programs and Courses

Programs/Courses (NOTE: ALL Courses must be taken in order to be considered a program completer)	Credits	Type of Credit	Occupational Completion Points	PA=Practical Arts Course that meets Arts High School Graduation Requirement	Course provides local level honors credit, but is a level 2 course at the state level
<b><i>Industrial Bioechnology - 8736000</i></b>	<b>3</b>				
3027010 Biotechnology 1	1 Cr	H			
3027020 Biotechnology 2	1 Cr	H			
8736030 Biotechnology 3	1 Cr	H			
<b><i>Marine Service Technology - 8751000</i></b>	<b>9</b>		<b>Charter High School Only</b>		
8751010 Marine Service 1	1 Cr	R			
8751020 Marine Service 2	1 Cr	R	A - Marine Rigger		
8751030 Marine Service 3*	1 Cr	H	B - Service Writer/Parts Technician		✓
8751040 Marine Service 4*	1 Cr	H			✓
8751050 Marine Service 5*	1 Cr	H			✓
8751060 Marine Service 6*	1 Cr	H			✓
8751070 Marine Service 7*	1 Cr	H	C - Outboard Engine Technician		✓
8751080 Marine Service 8*	1 Cr	H	D - Stern Drive Technician E - Inboard Gasoline Technician		✓
8751090 Marine Service 9*	1 Cr	H	F - Inboard Diesel Technician		✓
<b><i>Motorcycle Service Technology - 8766100</i></b>	<b>10</b>		<b>Charter High School Only</b>		
8766110 Motorcycle Service 1	1 Cr	R	A - Introduction to motorcycle service		
8766120 Motorcycle Service 2	1 Cr	R			
8766130 Motorcycle Service 3	1 Cr	H	B - Motorcycle parts and service processing		✓
8766140 Motorcycle Service 4	1 Cr	H			✓
8766150 Motorcycle Service 5	1 Cr	H	C - Intermediate motorcycle		✓
8766160 Motorcycle Service 6	1 Cr	H			✓
8766170 Motorcycle Service 7	1 Cr	H			✓
8766180 Motorcycle Service 8	1 Cr	H			✓
8766190 Motorcycle Service 9	1 Cr	H			✓
8766200 Motorcycle Service 10	1 Cr	H	D - Advanced motorcycle repair		✓

## SY '12 High School Career Education Programs and Courses

Programs/Courses (NOTE: ALL Courses must be taken in order to be considered a program completer)	Credits	Type of Credit	Occupational Completion Points	PA-Practical Arts Course that meets Arts High School Graduation Requirement	Course provides local level honors credit, but is a level 2 course at the state level
<b><i>Television Production - 8772100</i></b>	<b>11</b>				
8772110 Television Production 1	1 Cr	R		PA	
8772120 Television Production 2	1 Cr	R		PA	
8772130 Television Production 3*	1 Cr	H	A - Studio Assistant		
8772140 Television Production 4*	1 Cr	H			
8772150 Television Production 5*	1 Cr	H		PA	
8772160 Television Production 6*	1 Cr	H	B - Studio Technician	PA	
8772170 Television Production 7*	1 Cr	H		PA	
8772180 Television Production 8*	1 Cr	H		PA	
8772190 Television Production 9*	1 Cr	H	C - Studio Technician/Edit Assistant	PA	
8772191 Television Production 10*	1 Cr	H			
8772192 Television Production 11*	1 Cr	H	D - Television Production/Edit Technician		
<b><i>Industrial Cooperative Education - OJT</i></b>	<b>Multiple</b>				
8700400 Industrial Cooperative Education - OJT	Multiple	R	N/A		
<b><i>Industrial Education Directed Study</i></b>	<b>Multiple</b>				
8700100 Industrial Education Directed Study-	Multiple	H	N/A		

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Programs/Courses (NOTE: ALL Courses must be taken in order to be considered a program completer)	Credits	Type of Credit	Occupational Completion Points	PA=Practical Arts Course that meets Arts High School Graduation Requirement	Course provides local level honors credit, but is a level 2 course at the state level
<b>Marketing</b>					
<i>Marketing Management - 8827100</i>					
8827110 Marketing Essentials	1 Cr	R			
8827120 Marketing Applications	1 Cr	R	A - Salesperson, Retail		
8827130 Marketing Management*	1 Cr	R	B - Marketing Managers		
<i>Business Ownership - 8812000</i>					
8812000 Business Ownership	1 Cr	H	A - Business Ownership (General Manager)		
<i>Finance - 8815100</i>					
8815150 Finance and Business Technology* or 8207310 Introduction to Information Technology	1 Cr	R	A - Billing & Posting Clerk		
8293310 Accounting Applications I* (no substitutions)	1 Cr	R	B - Credit Checkers		
8815110 Financial Operations* 2102360 AP Microeconomics AND 2102370 AP Macroeconomics (AP courses require appropriate certification)	1 Cr .5 .5	H			✓
8815130 Financial Internship* or 8800410 Marketing Cooperative Education OJT	1 Cr	H R	C - Miscellaneous Financial Clerks		
8815120 Personal Financial Planning*	1 Cr	H	D - Personal/Financial Advisor		
<i>Entrepreneurship - 8812100</i>					
8812110 Principles of Entrepreneurship	1 Cr	H			✓
8812120 Business Management and Law	1 Cr	H	A - Business Development Manager		
8812000 Business Ownership	1 Cr	H	B - Entrepreneur (General Manager)		
<i>Sports, Recreation and Entertainment, Marketing - 8827400</i>					
8827410 Sports, Recreation & Entertainment Essentials	1 Cr	R			
8827420 Sports, Recreation & Entertainment Applications	1 Cr	R	A - Entertainers & Performers, Sports, & Related Workers		
8827430 Sports, Recreation & Entertain. Market Management*	1 Cr	H			
8827440 Sports, Recreation & Entertain. Internship or 8800410 Marketing OJT	1 Cr	H R	B - Marketing Managers Management		✓

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Programs/Courses (NOTE: ALL Courses must be taken in order to be considered a program completer)	Credits	Type of Credit	Occupational Completion Points	PA-Practical Arts Course that meets Arts High School Graduation Requirement	Course provides local level honors credit, but is a level 2 course at the state level
<b><i>Hospitality &amp; Tourism - 8845100</i></b>	<b>4</b>				
8850110 Introduction to Hospitality & Tourism	1 Cr	R	A - Hotel, Motel, & Resort Desk Clerk		
8845140 Computer Technology for Travel & Tourism	1 Cr	R			
8845130 Hospitality & Tourism Internship* or 8800410 Marketing Cooperative Education OJT	1 Cr	H	B - Reservation & Transportation Ticket Agent		
8845120 Travel & Tourism Marketing Management *	1 Cr	H	C - Travel Consultant		
<b><i>Lodging Operations - 8830300</i></b>	<b>4</b>				
8850110 Introduction to Hospitality & Tourism	1 Cr	R	A - Guest Services Agent		
8830320 Lodging Principles	1 Cr	R			
8845130 Hospitality & Tourism Internship* or 8800410 Marketing Cooperative Education OJT	1 Cr	H	B - Front Desk Agent		
8830330 Lodging Applications *	1 Cr	H	C - Lodging Manager		
<b><i>Marketing Cooperative Education - OJT</i></b>	<b>Multiple</b>				
8800410 Marketing Cooperative Education -OJT	Multiple	R	N/A		
<b><i>Marketing Education Directed Study</i></b>	<b>Multiple</b>				
8800100 Marketing Education Directed Study-	Multiple	R	N/A		

## SY '12 High School Career Education Programs and Courses

Programs/Courses (NOTE: ALL Courses must be taken in order to be considered a program completer)	Credits	Type of Credit	Occupational Completion Points	PA-Practical Arts Course that meets Arts High School Graduation Requirement	Course provides local level honors credit, but is a level 2 course at the state level
<b>Public Service</b>					
<i>Criminal Justice Operations - 8918000</i>	4		Note: Program completion requires successful completion of CJ 1-4		
8918010 Criminal Justice Operations 1	1 Cr	R			
8918020 Criminal Justice Operations 2	1 Cr	R			
8918030 Criminal Justice Operations 3*	1 Cr	H			
8914040 Criminal Justice Operations 4*	1 Cr	H	A - Police Service Aide		
8900100 Public Service Education Directed Study*	Multiple	H			

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## SY '12 High School Career Education Programs and Courses

Programs/Courses (NOTE: ALL Courses must be taken in order to be considered a program completer)	Credits	Type of Credit	Occupational Completion Points	PA=Practical Arts Course that meets Arts High School Graduation Requirement	Course provides local level honors credit, but is a level 2 course at the state level
<b>Technology Education</b>			<b>Note:</b> There are no Occupational Completion Points for any Technology Education Courses. Technology Education Programs/Courses are not Job Prep.		
<i>Aerospace Technology - 8600080</i>			3		N/A
8600580 Aerospace Technologies I	1 Cr	R		PA	
8600680 Aerospace Technologies II	1 Cr	R		PA	
8601780 Aerospace Technologies III*	1 Cr	H		PA	
<i>Communications Technology - 8601000</i>			3		
8601010 Communications Technology I	1 Cr	R		PA	
8601020 Communications Technology II	1 Cr	H		PA	
8601030 Communications Technology III*	1 Cr	H		PA	
<i>Construction Technology - 8600700</i>			3		
8600710 Construction Technology I	1 Cr	R			
8600720 Construction Technology II	1 Cr	R		PA	
8600730 Construction Technology III*	1 Cr	H		PA	
<i>Drafting/ Illustrative Design Technology - 8600800</i>			3		N/A
8600810 Drafting/Illustrative Design Technology I	1 Cr	H		PA	✓
8600820 Drafting/Illustrative Design Technology II	1 Cr	H		PA	✓
8600830 Drafting/ Illustrative Design Technology III*	1 Cr	H		PA	
<i>Project Lead The Way (Engineering) - 9400300</i>			4		
8600520 Principals of Engineering	1 Cr	H		PA	
8600550 Intro. to Engineering Design	1 Cr	H		PA	
8600530 Digital Electronics	1 Cr	H		PA	
8600590 Civil Engineering	1 Cr	H		PA	

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Programs/Courses (NOTE: ALL Courses must be taken in order to be considered a program completer)	Credits	Type of Credit	Occupational Completion Points	PA=Practical Arts Course that meets Arts High School Graduation Requirement	Course provides local level honors credit, but is a level 2 course at the state level
<b><i>Engineering Technology - 8607000</i></b>	<b>3</b>				
8600570 Engineering Technology I	1 Cr	R		PA	
8600670 Engineering Technology II	1 Cr	R		PA	
8601770 Engineering Technology III *	1 Cr	H		PA	
<b><i>Production Technology - 8604000</i></b>	<b>3</b>				
8600540 Production Technology I	1 Cr	R		PA	
8600640 Production Technology II	1 Cr	R		PA	
8601740 Production Technology III *	1 Cr	H		PA	
<b><i>Technology Studies - 8600100</i></b>	<b>3</b>				
8600510 Technology Studies I *	1 Cr	R		PA	
8600610 Technology Studies II *	1 Cr	R		PA	
8601710 Technology Studies III *	1 Cr	H		PA	
<b><i>Geospatial/Geographic Info. Systems - 8600200</i></b>	<b>4</b>				
8600260 Intro. to GIS/RS Technology	1 Cr	R			
8600270 Essential GIS Tools & Processes	1 Cr	R	A - GIS Tech. Assistant		
8600280 GIS Analysis and Modeling	1 Cr	H		PA	✓
8600290 Advanced GIS Applications	1 Cr	H	B - GIS Tech.	PA	✓