

2025-2026 DD2 Career and Technology Education Program/Course Sequences

Number of courses needed is based on "Units Needed to Complete". There are two columns, required and additional approved courses for completion.

There are two columns, Required Concentrator Courses and Additional Approved Courses for Completer Status.

Work-Based Credit Courses will not count as a third unit towards completer status in any of the three-unit completer pathways.

Agriculture, Food, and Natural Resources

School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway)	Certifications CR- Career Ready (1) Tiered Points
ARHS	030101	Environmental and Natural Resource Management	4	5624 - Agricultural Science and Technology	5621 - Equipment Operation and Maintenance	OSHA (CR)
				5626 - Environmental and Natural Resources Management	5690 - Agriculture, Food, and Natural Resources Internship, work-based credit	
ARHS	011101	Plant and Animal Systems	4	5624 - Agricultural Science and Technology	5621 - Equipment Operation and Maintenance	OSHA (CR)
					5600 - Agribusiness and Marketing	
				5647 - Farm Animal Production	5690 - Agriculture, Food, and Natural Resources Internship, work-based credit	
ARHS	010601	Horticulture	4	5624 - Agricultural Science and Technology	5600 - Agribusiness and Marketing	OSHA (CR)
				5650 - Introduction to Horticulture	5261 - Equipment Operation and Maintenance	
DCCTC	010601	Horticulture	4	5652 - Horticulture for the Workplace 1 (2 credits) 5653 - Horticulture for the Workplace 2 (2 credits)	5690 - Agriculture, Food, and Natural Resources Internship, work-based credit	OSHA (CR)

Architecture and Construction

School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway)	Certifications CR- Career Ready (1) Tiered Points
DCCTC	460000	Building Construction	4	6060 - Building and Construction Cluster 1 (2 credits)	6690 - Architecture and Construction Internship, work-based credit	OSHA (CR)
				6061 - Building and Construction Cluster 2 (2 credits)		
DCCTC	460301	Electricity	4	6287 - Electricity 1 (2 credits)	6289 - Electricity 3 (2 credits)	OSHA (CR)
					6290 - Electricity 4 (2 credits)	NCCER- Electricity (CR)
				6288 - Electricity 2 (2 credits)	6690 - Architecture and Construction Internship, work-based credit	

Arts, Audio-Video Technology, and Communication

School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway)	Certifications CR- Career Ready (1) Tiered Points
SHS	500402	Digital Art & Design	4	6120- Digital Art & Design 2	Additional Courses will be added in upcoming years.	Adobe InDesign (CR)
				6121- Digital Art & Design 1		Adobe Photoshop (CR)
SHS	100299	Media Technology	4	6124 - Media Technology 1	6126 - Media Technology 3	Adobe Premier (CR)
				6125 - Media Technology 2	6127 - Media Technology 4	Adobe Animate (CR)
					5290 - Arts, Audio-Video Technology and Communications, work based learning	
DCCTC	151301	Architecture Design	4	6170 - Architectural Design 1 (2 credits)	5290 - Arts, Audio-Video Technology and Communications, work based learning	OSHA (CR)
				6171 - Architectural Design 2 (2 credits)		

Business Management and Administration

School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway)	Certifications CR- Career Ready (1) Tiered Points
FDHS	521206	Business Information Management	3	5340 - Image Editing	5001 - Accounting 1	Adobe InDesign (CR)
				5176 - Digital Publication Design	5400 - Entrepreneurship	Adobe Photoshop (CR)
					5023 - Fundamentals of Computing	
					5031 - Fundamentals of Web Page Design	
					5033 - Advanced Web Page Design	
5490 - Business Management and Administration Internship, work-based credit						
ARHS, FDHS	520201	General Management	3	5001 - Accounting 1	5005 - Accounting 2 (ARHS Only)	You Science-Accounting
				5400 - Entrepreneurship	5273 - Business Finance	Entrepreneurship & Small Business
					5031 - Fundamentals of Web Page Design	You Science-Entrepreneurship
					5421 - Marketing	
					5490 - Business Management and Administration Internship, work-based credit	

Education and Training

School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway)	Certifications CR- Career Ready (1) Tiered Points
ARHS, FDHS, SHS (w/ TTC)	130101	Introduction to Teaching	4	6818 - Classroom Inquiries wth Technology (EDU 201)	5705 - CTE Teacher Cadet 1 - Experiencing Education - (Dual Enrollment)	
				6814 - Learners and Diversity (EDU 241)	8817 - CTE Teacher Cadet 2 - Educational Psychology - (Dual Enrollment)	
					5800 - Child Development 1	
					5801 - Child Development 2	
					5031 - Fundamentals of Web Page Design	
					5400 - Entrepreneurship	
6390 - Education and Training Internship, work-based credit						

Finance						
School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway)	Certifications CR- Career Ready (1) Tiered Points
ARHS	520301	Accounting	3	5001 - Accounting 1	5273 - Business Finance	You Science-Accounting 1
					5131 - Advanced Personal Finance	You Science- Accounting 2
				5005 - Accounting 2	5400 - Entrepreneurship	
ARHS, FDHS	520804	Business Finance	3	5001 - Accounting 1	5005 - Accounting 2 (ARHS Only)	You Science-Accounting 1
					5131 - Advanced Personal Finance	
				5273 - Business Finance	5400 - Entrepreneurship	You Science Banking & Finance
					5421 - Marketing (ARHS and FDHS)	
				6190 - Finance Internship, work-based credit		

Health Science						
School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway)	Certifications CR- Career Ready (1) Tiered Points
ARHS, FDHS, SHS	260102	PLTW - Biomedical Sciences	3	5580 - PLTW - Principles of Biomedical Sciences	5582 - PLTW - Medical Interventions	Basic Life Saving
				5581 - PLTW - Human Body Systems	5583 - PLTW - Biomedical Innovation	OSHA
					5540 - Medical Terminology	Stop the Bleed
					5555 - Sports Medicine 1	
					5556 - Sports Medicine 2	
					5590 - Health Science Internship, work-based credit	
ARHS, FDHS, SHS	310505	Sports Medicine	3	5555 - Sports Medicine 1	5557 - Sports Medicine 3	Basic Life Saving
				5556 - Sports Medicine 2	5540 - Medical Terminology	OSHA
					5581 - PLTW - Human Body Systems	Stop the Bleed
					5580 - PLTW - Principles of Biomedical Sciences	
					5590 - Health Science Internship, work-based credit	
					5591 - Sports Medicine Internship, work-based credit	
DCCTC	510000	Health Science	3	5550 - Health Science 1 (2 credits)	5590 - Health Science Internship, work-based credit	Basic Life Saving
						OSHA
				5551 - Health Science 2 (2 credits)		Stop the Bleed

Hospitality and Tourism						
School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway)	Certifications CR- Career Ready (1) Tiered Points
ARHS, FDHS, SHS	520905	Culinary Arts Management	3	5720 - Culinary Arts Management 1	5722 - Introduction to Culinary Arts Management	OSHA
				5721 - Culinary Arts Management 2	5001 - Accounting 1	
					5400 - Entrepreneurship	Servsafe Food Manager
				5475 - Event and Entertainment Management (FDHS only)	Servsafe Food Manager	
				5723 - Baking and Pastry (2 Credits)		
					5190 - Hospitality and Tourism Internship, work-based credit	
DCCTC	520905	Culinary Arts Management	3	5720 - Culinary Arts 1 (2 credits)	5190 - Hospitality and Tourism Internship, work-based credit	OSHA
				5721 - Culinary Arts 2 (2 credits)		Servsafe Food Handler

management

or

5723 - Baking and Pastry (2 credits)

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Human Services						
School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway)	Certifications CR- Career Ready (1) Tiered Points
DCCTC	120401	Cosmetology	8 Units and 1540 hours	6150 - Cosmetology (2 credits)	6152 - Cosmetology 3 (2 credits)	OSHA
				6151 - Cosmetology 2 (2 credits)	6153 - Cosmetology 4 (2 credits)	SC Cosmetology License
					5790 - Human Services, work-based credit	
DCCTC	120410	Nail Technology	3 Units and 360 Hours	6154 - Nail Technology 1 (2 credits)	5790 - Human Services, work-based credit	OSHA
				6155 - Nail Technology 2 (2 credits)		SC Nail Technician License
Information Technology						
School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway)	Certifications CR- Career Ready (1) Tiered Points
ARHS, FDHS	110801	Game and Interactive Media Design	4	5350 - Foundations of Animation	4771CTAW - AP Computer Science A (FDHS)	Adobe Premier
				5352 - Game Design and Development	4775CTAW - AP Computer Science Principals (ARHS, FDHS)	Unity
					5001 - Accounting 1	
					5064 - Computer Programming with Python (ECPI)	
					5320 - Computer Repair and Service (ECPI)	
					5370 - Cyber Security Fundamentals (ECPI)	
					6120 - Digital Art and Design	
					5400 - Entrepreneurship	
					5023 - Fundamentals of Computing	
					5031 - Fundamentals of Web Page & Design and Development	
ARHS, FDHS, SHS	110801	Web and Digital Communications	3	5031 - Fundamentals of Web Page Design	5422 - Digital Media Marketing (FDHS Only)	Web Design Level 1 Certified
				5033 - Advanced Web Design and Development	5023 - Fundamentals of Computing	Java Level 1 Certified
					5340 - Image Editing (FDHS Only)	
					5350 - Foundations of Animation	
					4771CTAW - AP Computer Science A (FDHS)	
					4775CTAW - AP Computer Science Principals (ARHS, FDHS)	
					5176 - Digital Publication Design (FDHS only)	
					5400 - Entrepreneurship	
ECPI (ARHS, FDHS, SHS)	110901	Networking Systems	4	CIS 150 - Introduction to Networking (<i>Equivalent to 6759 - Networking 1</i>)	CIS 106 - Introduction to Operating Systems (<i>Equivalent to 6726 - Computer Operating Systems</i>)	ITF+ IT Fundamentals
				CIS 225 - Network Protocols and Services (<i>Equivalent to 6760 - Networking 2</i>)	CIS 126 - Introduction to Programming (<i>Equivalent to 6768 - Computer Programming 1</i>)	Security+
					CIS 206 - UNIX Administration (<i>Equivalent to 5323 - Advanced Computer Operating Systems</i>)	Level Python Programmer
					CIS 212 - Network Security Concepts (<i>Equivalent to 6762 - Cyber Security Fundamentals</i>)*	Tech+
					CIS101 - Computer Configuration 1 (<i>Equivalent to - 6752 Computer Repair and Service</i>)	
					EET 251 - Computer Configuration II (<i>Equivalent to 6753 - Advanced Computer Repair and Service</i>)	
					CIS 123 - Introduction to Scripting (<i>Equivalent to 83F0 - Computer Programming with Python</i>)	
					4771CTAW - AP Computer Science A (FDHS)	
					4775CTAW - AP Computer Science Principals (ARHS, FDHS)	

5023 - Fundamentals of Computing	
5400 - Entrepreneurship	
5031 - Fundamentals of Web Page Design	

Law, Public Safety, Corrections, and Security Cluster

School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway, * required)	Certifications CR- Career Ready (1) Tiered Points
DCCTC	430203	Emergency and Fire Management Services	3	6514 - Fire Fighter 1 (2 credits)	6590 - Law, Public Safety, Corrections, and Security work-based learning	OSHA
				6515 - Fire Fighter 2 (2 credits)		
DCCTC	430107	Law Enforcement Services	3	6510 - Law Enforcement Services 1 (2 credits)	6590 - Law, Public Safety, Corrections, and Security work-based learning	OSHA
				6511 - Law Enforcement 2 (credits)		
ARHS	280101	Air Force JROTC	4	3751- JROTC- 1 3752- JROTC- 2	3753- JROTC- 3* 3754- JROTC- 4* 6585 - Military Science 1 6586 - Military Science 2 6587 - Military Science 3 6588 - Military Science 4 6589- JROTC Internship, Work-based Credit	TBD
FDHS	280101	Air Force JROTC	4	3751- JROTC- 1 3752- JROTC- 2	3753- JROTC- 3* 3754- JROTC- 4* 6585 - Military Science 1 6586 - Military Science 2 6587 - Military Science 3 6588 - Military Science 4 6589- JROTC Internship, Work-based Credit	TBD
SHS	280499	Navy JROTC	4	3751- JROTC- 1 3752- JROTC- 2	3753- JROTC- 3* 3754- JROTC- 4* 6585 - Military Science 1 6586 - Military Science 2 6587 - Military Science 3 6588 - Military Science 4 6589- JROTC Internship, Work-based Credit	TBD

Manufacturing

School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses (2)	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway)	Certifications CR- Career Ready (1) Tiered Points
SHS	150404	Mechatronics Integrated Technologies	4	6210 - Electrical Components/Industrial Safety	6212 - Elecro Pneumatics and Hydraulics	OSHA
				6211 - Mechanical Components Electric Drives/ Hand & Power Tool Op.	6213 - Digital Fudamentals and Programmable Controllers 6490 - Manufacturing Internship, work-based credit	
DCCTC	480503	Machine Technology	4	6230 - Machine Tool Technology 1 (2 credits)	6490 - Manufacturing Internship, work-based credit	OSHA
				6231 - Machine Tool Technology 2 (2 credits)		
DCCTC	480508	Welding Technology	4	6340 - Welding Technology 1 (2 credits)	6342 - Welding Technology 3 (2 credits)	OSHA
				6341 - Welding Technology 2 (2 credits)	6343 - Welding Technology 4 (2 credits) 6490 - Manufacturing Internship, work-based credit	

Marketing

School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses (2)	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway)	Certifications CR- Career Ready (1) Tiered Points
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FDHS	90903	Marketing Communications	3	5421 - Marketing	5400 - Entrepreneurship	Stukent
				5422 - Digital Media Marketing	5031 - Fundamentals of Web Page Design	You Science Digital Marketing
					5176 - Digital Publication Design	
					5340 - Image Editing	
					5001 - Accounting 1	
					5425- Sports and Entertainment Marketing	
					5033 - Advanced Web Page Design and Development	
	5091 - Marketing Internship, work-based learning					
ARHS/ FDHS	521401	Marketing Management	3	5421 - Marketing	5001 - Accounting 1	Stukent
				5426 - Sports and Entertainment Management	5005 - Accounting 2	You Science Sports & Entertainment Marketing
					5273 - Business Finance	
					5425- Sports and Entertainment Marketing	
					5400 - Entrepreneurship	
	5091 - Marketing Internship, work-based learning					

Science, Technology, Engineering, and Mathematics

School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses (2)	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway)	Certifications CR- Career Ready (1) Tiered Points
ARHS, FDHS, SHS	140101	Pre-Engineering PLTW	4	6050 - PLTW - Principles of Engineering	6056 - PLTW - Aerospace Engineering (ARHS and SHS)	You Science- Engineering
				6051 - PLTW - Introduction to Engineering Design (FDHS only)	6058 - PLTW - Civil Engineering and Architecture	Autodesk Inventor Certified
				or	6052 - PLTW Digital Electronics	
				6051 - PLTW - Introduction to Engineering Design (FDHS only)	6053 - PLTW Computer Integrated Manufacturing (FDHS)	
				6144 - PLTW - Engineering Essentials	6090 - Science, Technology, Engineering, and Mathematics Internship, work-based learning	
				or		
				6144 - PLTW - Engineering Essentials 6050 - PLTW - Principles of Engineering		

Transportation, Distribution, and Logistics

School	CIP Code	Major	Units Needed to Complete	Required Concentrator Courses (2)	Additional Approved Courses for Completion (select 1 or 2 courses based on units needed to complete pathway)	Certifications CR- Career Ready (1) Tiered Points
DCCTC	470603	Automotive Collision Repair Technology	4	6020 - Automotive Collision Repair 1 (2 credits)	6022 - Automotive Collision Repair 3 (2 credits)	OSHA
				6021 - Automotive Collision Repair 2 (2 credits)	6023 - Automotive Collision Repair 4 (2 credits)	ASE- Auto Collision
DCCTC	470604	Automotive Technology	4	6030 - Automotive Technology 1 (2 credits)	6032 - Automotive Technology 3 (2 credits)	OSHA
				6031 - Automotive Technology 2 (2 credits)	6033 - Automotive Technology 4 (2 credits)	ASE- Auto Tech
DCCTC	470605	Diesel Engine Technology	8	6310 - Diesel Engine Technology 1 (2 credits)	6312 - Diesel Engine Technology 3 (2 credits)	OSHA
				6311 - Diesel Engine Technology 2 (2 credits)	6313 - Diesel Engine Technology 4 (2 credits)	ASE- Diesel
DCCTC	520203	Logistics and Supply Chain Management	4	68P0 - Logistics and Distribution	68P3 - Work-based Learning	OSHA
				68P1 - Warehouse Distribution 68P2 - Warehouse Inventory		
DCCTC	4801IN	Heavy Equipment Operations	3	68B0 - Heavy Equipment Operations 1	68B2 - Heavy Equipment Operations 3	OSHA
				68B1 - Heavy Equipment Operations 2	6790 - Transportation, Distribution, and Logistics work-based learning	

Middle School Courses

AMS	NA	Digital Literacy	NA	Digital Literacy 6		
				Digital Literacy 7		
				Digital Literacy 8		
		Gateway to Technology		PLTW GTT: Design and Modeling 6		
				PLTW GTT: Design and Modeling 7		
DMS	NA	Digital Literacy	NA	PLTW GTT: Automation and Robotics 8		
				Digital Literacy 6		
				Digital Literacy 7		
		Gateway to Technology		Digital Literacy 8		
				PLTW GTT: Design and Modeling 6		
				PLTW GTT: Design and Modeling 7		

				PLTW GTT: Automation and Robotics 8		
EEMS	NA	Digital Literacy	NA	Digital Literacy 6		
				Digital Literacy 7		
				PLTW Computer Sci InnovMakers App Creators		
		Gateway to Technology		PLTW GTT: Design and Modeling 6		
				PLTW GTT: Design and Modeling 7		
				PLTW GTT: Automation and Robotics 8		
GMS	NA	Digital Literacy	NA	Digital Literacy 6		
				Digital Literacy 7		
				Digital Literacy 8		
		Gateway to Technology		PLTW GTT: Design and Modeling 6		
				PLTW GTT: Automation and Robotics 7		
				PLTW: Medical Detectives 8		
OMS	NA	Digital Literacy	NA	Digital Literacy 6		
				Digital Literacy 7		
				Digital Literacy 8		
		Gateway to Technology		PLTW GTT: Design and Modeling 6		
				PLTW GTT: Design and Modeling 7		
				PLTW GTT: Design and Modeling 8		
ROMS	NA	Digital Literacy	NA	Digital Literacy 6		
				Digital Literacy 7		
				Multimedia Basics 8		
		Gateway to Technology		PLTW GTT: Science of Technology		
				PLTW GTT: Design and Modeling 7		
				PLTW GTT: Design and Modeling 8		
RMSA	NA	Gateway to Technology	NA	PLTW GTT: Design and Modeling 7		
				PLTW GTT: Design and Modeling 8		