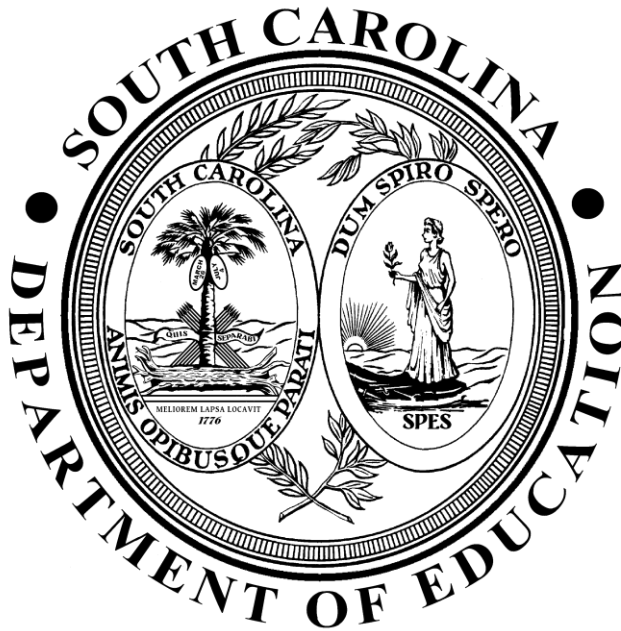


STATE OF SOUTH CAROLINA
DEPARTMENT OF EDUCATION

MOLLY M. SPEARMAN
STATE SUPERINTENDENT OF EDUCATION



Career and Technical Education (CTE) Courses Methods of Delivery

July 1, 2021

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Career and Technical Education (CTE) Course Delivery Methods

In collaboration with business/industry, postsecondary, and other stakeholders, the Office of Career and Technical Education has identified the most effective instructional delivery methods for CTE courses. Delivery methods refer to course content instruction. There are currently three instructional delivery methods available for CTE courses. A brief description of each delivery method is below.

Method 1. Face-to-Face

Face-to-face is a synchronous instructional method that focuses on concurrent, collective, and collaborative learning opportunities for students. This method requires regularly scheduled contact times between teachers and students at a physical school or “brick-and-mortar.”

Method 2a. Virtual - Synchronous

Virtual synchronous delivery refers to two-way, real-time, live instruction between teachers and students through computers or other electronic devices.

Method 2b. Virtual - Asynchronous

Virtual asynchronous delivery does not occur in real-time. Asynchronous virtual delivery provides opportunities for students to access information, demonstrate what they learn, and communicate with classmates and instructors on their own time.

Method 3. Hybrid

The hybrid method of delivery combines face-to-face classroom instruction with online activities. This approach reduces the amount of seat time in a traditional face-to-face course.

Career and Technical Education courses consist of state standards, and teachers meet the South Carolina Department of Education certification requirements.

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	Middle School Career Cluster Course			
Course Number	CTE Cluster/Course Name	F-2-F	Hybrid	Virtual
2830	Introduction to Career Clusters	Yes	Yes	Yes

	Agriculture, Food and Natural Resources			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
1856	Introduction to Agriculture - 6th Grade	Yes	Yes	No
2856	Introduction to Agriculture - 7th Grade	Yes	Yes	No
2856	Introduction to Agriculture - 8th Grade	Yes	Yes	No
5600	Agribusiness and Marketing	Yes	Yes	No
5691	Agricultural and Biosystems Science	Yes	Yes	No
5614	Agricultural Crop Production & Management	Yes	Yes	No
5660	Agricultural Mechanics and Technology	Yes	Yes	No
5604	Agricultural Mechanics and Technology for the Workplace I (2 Unit Course)	Yes	Yes	No
5605	Agricultural Mechanics and Technology for the Workplace II (2 Unit Course)	Yes	Yes	No
5610	Agricultural Power Mechanics	Yes	Yes	No
5624	Agricultural Science and Technology	Yes	Yes	No
5620	Agricultural Science and Technology for the Workplace (2 Unit Course)	Yes	Yes	No
5611	Agricultural Structural Mechanics	Yes	Yes	No
5603	Animal Science	Yes	Yes	No
5608	Animal Science for the Workplace I (2 Unit Course)	Yes	Yes	No
5609	Animal Science for the Workplace II (2 Unit Course)	Yes	Yes	No
5663	Aquaculture	Yes	Yes	No
5692	Biosystems Mechanics and Engineering	Yes	Yes	No
5695	Biosystems Technology 3	Yes	Yes	No
5696	Biosystems Technology 4	Yes	Yes	No
5693	Biosystems Technology Career Development I	Yes	Yes	No

	Agriculture, Food and Natural Resources			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
5694	Biosystems Technology Career Development II	Yes	Yes	No
5646	Cattle Production	Yes	Yes	No
5626	Environmental and Natural Resources Management	Yes	Yes	No
5628	Environmental and Natural Resource Management for the Workplace I	Yes	Yes	No
5629	Environmental and Natural Resource Management for the Workplace II	Yes	Yes	No
5679	Equine Science	Yes	Yes	No
5621	Equipment Operation and Maintenance	Yes	Yes	No
5647	Farm Animal Production	Yes	Yes	No
5634	Floriculture	Yes	Yes	No
5657	Food Processing	Yes	Yes	No
5642	Forestry	Yes	Yes	No
5667	Golf Course Technology	Yes	Yes	No
5652	Horticulture for the Workplace I (2 Unit Course)	Yes	Yes	No
5653	Horticulture for the Workplace II (2 Unit Course)	Yes	Yes	No
5650	Introduction to Horticulture	Yes	Yes	No
5613	Introduction to Veterinary Science	Yes	Yes	No
5670	Landscape Technology	Yes	Yes	No
5672	Nursery, Greenhouse and Garden Center Technology	Yes	Yes	No
5602	Outdoor Recreation	Yes	Yes	No
5612	Small Animal Care	Yes	Yes	No
5627	Soil and Water Conservation	Yes	Yes	No
5630	Soils and Soilless Research	Yes	Yes	No
5655	Sports Turf Management	Yes	Yes	No
5654	Turf and Lawn Management	Yes	Yes	No
5674	Wildlife Management	Yes	Yes	No

	Architecture and Construction			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
6060	Building Construction Cluster 1	Yes	Yes	No
6061	Building Construction Cluster 2	Yes	Yes	No
6062	Building Construction Cluster 3	Yes	Yes	No
6063	Building Construction Cluster 4	Yes	Yes	No
6080	Cabinetmaking 1	Yes	Yes	No
6081	Cabinetmaking 2	Yes	Yes	No
6082	Cabinetmaking 3	Yes	Yes	No
6083	Cabinetmaking 4	Yes	Yes	No
6091	Carpentry 1	Yes	Yes	No
6092	Carpentry 2	Yes	Yes	No
6093	Carpentry 3	Yes	Yes	No
6094	Carpentry 4	Yes	Yes	No
6287	Electricity 1	Yes	Yes	No
6288	Electricity 2	Yes	Yes	No
6289	Electricity 3	Yes	Yes	No
6290	Electricity 4	Yes	Yes	No
5330	Home Systems Technology	Yes	Yes	No
6003	HVAC Technology 1	Yes	Yes	No
6004	HVAC Technology 2	Yes	Yes	No
6005	HVAC Technology 3	Yes	Yes	No
6006	HVAC Technology 4	Yes	Yes	No
6001	Introduction to Construction	Yes	Yes	No
6250	Masonry 1	Yes	Yes	No
6251	Masonry 2	Yes	Yes	No
6252	Masonry 3	Yes	Yes	No
6253	Masonry 4	Yes	Yes	No

	Architecture and Construction			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
6280	Plumbing 1	Yes	Yes	No
6281	Plumbing 2	Yes	Yes	No
6282	Plumbing 3	Yes	Yes	No
6283	Plumbing 4	Yes	Yes	No

	Arts, Audio-Video Technology and Communication			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
6170	Architectural Design 1	Yes	Yes	Yes
6171	Architectural Design 2	Yes	Yes	Yes
6120	Digital Art and Design 1	Yes	Yes	Yes
6121	Digital Art and Design 2	Yes	Yes	Yes
6122	Digital Art and Design 3	Yes	Yes	Yes
6123	Digital Art and Design 4	Yes	Yes	Yes
5710	Fashion Design and Apparel Construction 1	Yes	Yes	No
5711	Fashion Design and Apparel Construction 2	Yes	Yes	No
6200	Graphic Communications 1	Yes	Yes	Yes
6201	Graphic Communications 2	Yes	Yes	Yes
6202	Graphic Communications 3	Yes	Yes	No
6203	Graphic Communications 4	Yes	Yes	No
5455	Interior Design 1	Yes	Yes	No
5456	Interior Design 2	Yes	Yes	No
5205	Introduction to Graphic Communications	Yes	Yes	Yes
6172	Mechanical Design 1	Yes	Yes	Yes
6173	Mechanical Design 2	Yes	Yes	Yes
6124	Media Technology 1	Yes	Yes	Yes
6125	Media Technology 2	Yes	Yes	Yes

	Arts, Audio-Video Technology and Communication			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
6126	Media Technology 3	Yes	Yes	No
6127	Media Technology 4	Yes	Yes	No

	Business Management and Administration			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
2702	Computer Applications	Yes	Yes	Yes
2853	Digital Literacy	Yes	Yes	Yes
2704	Google Basics	Yes	Yes	Yes
2706	Keyboarding	Yes	Yes	Yes
2703	Multimedia Basics	Yes	Yes	Yes
5122	Administrative Support Technology	Yes	Yes	Yes
5049	Advanced Business Law	Yes	Yes	Yes
5044	Business Law	Yes	Yes	Yes
5092	Business Principles and Management	Yes	Yes	Yes
5090	Business, Marketing, and Finance, Fundamentals of	Yes	Yes	Yes
5030	Digital Multimedia	Yes	Yes	Yes
5176	Digital Publication Design	Yes	Yes	Yes
5180	Digital Technologies	Yes	Yes	Yes
5400	Entrepreneurship	Yes	Yes	Yes
5032	Global Business	Yes	Yes	Yes
5007	Google Applications	Yes	Yes	Yes
5093	Human Resource Management, Fundamentals of	Yes	Yes	Yes
5340	Image Editing 2 (deleted June, 2021)	Yes	Yes	No
5341	Image Editing 2 (deleted June, 2021)	Yes	Yes	Yes
5020	Integrated Business Applications 1	Yes	Yes	No
5021	Integrated Business Applications 2 new name: Data Applications use for Business Computer Science	Yes	Yes	Yes

	Business Management and Administration			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
5482	Logistics and Business Processes (deleted after June, 2021)	Yes	Yes	Yes
5270	Principles of Digital Technology	Yes	Yes	Yes
5178	Professional and Leadership Development	Yes	Yes	Yes
5480	Project Management, Fundamentals of	Yes	Yes	Yes
5150	Virtual Enterprise 1	Yes	Yes	Yes
5151	Virtual Enterprise 2	Yes	Yes	Yes
5152	Virtual Enterprise 3	Yes	Yes	Yes
5153	Virtual Enterprise 4	Yes	Yes	Yes
5041	Workplace Communications	Yes	Yes	Yes

	Education and Training			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
5800	Child Development 1	Yes	Yes	Yes
5801	Child Development 2	Yes	Yes	Yes
5702	Introduction to Early Childhood Education	Yes	Yes	Yes
5700	Early Childhood Education 1	Yes	Yes	Yes
5701	Early Childhood Education 2	Yes	No	No
5703	Introduction to Teaching 1	Yes	Yes	Yes
5704	Introduction to Teaching 2	Yes	No	No

	Finance			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
2705	Financial Literacy	Yes	Yes	Yes
5001	Accounting 1	Yes	Yes	Yes
5005	Accounting 2	Yes	Yes	Yes
5271	Banking Services	Yes	Yes	Yes

	Finance			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
5273	Business Finance	Yes	Yes	Yes
5275	Insurance and Risk Management	Yes	Yes	Yes
5131	Personal Finance	Yes	Yes	Yes
5277	Securities and Investments	Yes	Yes	Yes

	Government and Public Safety			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
6570	Foundations of Leadership	Yes	Yes	Yes

	Health Science			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
2839	Introduction to Health Professions	Yes	Yes	Yes
5531	Emergency Medical Services 1	Yes	Yes	No
5532	Emergency Medical Services 2	Yes	No	No
5533	Emergency Medical Services 3	Yes	Yes	No
5505	<i>Health Informatics 1-Data and Use (Phase Out June 2021)</i>	Yes	Yes	Yes
5508	<i>Health Informatics 4-Problems and Solutions (Phase Out June 2021)</i>	Yes	Yes	Yes
5506	<i>Health Informatics 2-Transforming Data into Information (Phase Out June 2021)</i>	Yes	Yes	Yes
5507	<i>Health Informatics 3-Transforming Information into Knowledge (Phase Out June 2021)</i>	Yes	Yes	Yes
5551	Health Science 2-Advanced Healthcare Applications	Yes	Yes	No
5550	Health Science 1-Foundations of Healthcare Professionals	Yes	Yes	Yes
5560	Health Science Clinical Study	Yes	Yes	No
5552	Health Science-Human Structure, Function & Disease	Yes	Yes	Yes
5584	Medical Billing and Coding	Yes	Yes	Yes
5540	Medical Terminology	Yes	Yes	Yes

	Health Science			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
5570	Pharmacology for Medical Careers	Yes	Yes	Yes
5583	PLTW-Biomedical Innovation	Yes	Yes	No
5581	PLTW-Human Body Systems	Yes	Yes	No
5582	PLTW-Medical Interventions	Yes	Yes	No
5580	PLTW-Principles of Biomedical Sciences	Yes	Yes	No
5520	Practical Nursing, Phase 1	Yes	No	No
5555	Sports Medicine 1	Yes	Yes	No
5556	Sports Medicine 2	Yes	Yes	No
5557	Sports Medicine 3	Yes	Yes	No

	Hospitality and Tourism			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
5478	Introduction to Hospitality and Tourism Management	Yes	Yes	Yes
5475	Event and Entertainment Management	Yes	Yes	Yes
5473	Lodging Management	Yes	Yes	Yes
5474	Travel and Tourism Management	Yes	Yes	Yes
5722	Introduction to Culinary Arts Management	Yes	Yes	No
5720	Culinary Arts Management 1	Yes	Yes	No
5721	Culinary Arts Management 2	Yes	Yes	No
5723	Baking and Pastry	Yes	Yes	No

	Human Services			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
6158	Barber-Master Hair Care 1	Yes	No	No
6159	Barber-Master Hair Care 2	Yes	No	No
6160	Barber-Master Hair Care 3	Yes	No	No

	Human Services			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
6161	Barber-Master Hair Care 4	Yes	No	No
6150	Cosmetology 1	Yes	No	No
6151	Cosmetology 2	Yes	No	No
6152	Cosmetology 3	Yes	No	No
6153	Cosmetology 4	Yes	No	No
6162	Esthetics 1 (Yes	No	No
6163	Esthetics 2	Yes	No	No
6164	Esthetics 3	Yes	No	No
6165	Esthetics 4	Yes	No	No
6154	Nail Technology 1	Yes	No	No
6155	Nail Technology 2	Yes	No	No
6156	Nail Technology 3	Yes	No	No
6157	Nail Technology 4	Yes	No	No

	Family and Consumer Sciences			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
1858	<u>Exploratory Family and Consumer Sciences (6th Grade)</u>	Yes	Yes	Yes
2857	Introduction to Family and Consumer Sciences 1 (7th Grade)	Yes	Yes	Yes
2858	Introduction to Family and Consumer Sciences 2 (8th Grade)	Yes	Yes	Yes
5808	Family and Consumer Sciences 1	Yes	Yes	No
5809	Family and Consumer Sciences 2	Yes	Yes	No
5820	Family Life Education 1	Yes	Yes	Yes
5821	Family Life Education 2	Yes	Yes	Yes
5804	Fashion, Fabrics, and Design 1	Yes	Yes	No
5805	Fashion, Fabrics, and Design 2	Yes	Yes	No
5812	Financial Fitness 1	Yes	Yes	Yes

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	Family and Consumer Sciences			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
5813	Financial Fitness 2	Yes	Yes	Yes
5824	Foods and Nutrition 1	Yes	Yes	No
5825	Foods and Nutrition 2	Yes	Yes	No
5830	Housing and Interiors 1	Yes	Yes	No
5831	Housing and Interiors 2	Yes	Yes	No
5834	Human Development: Responsible Life Choices 1	Yes	Yes	Yes
5835	Human Development: Responsible Life Choices 2	Yes	Yes	Yes
5816	Parenting Education 1	Yes	Yes	Yes
5817	Parenting Education 2	Yes	Yes	Yes
5759	Sports Nutrition 1	Yes	Yes	No
5760	Sports Nutrition 2	Yes	Yes	No

	Information Technology			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
5062	Fundamentals of Computing	Yes	Yes	Yes
5028	Fundamentals of Computing (2019) .5 unit middle school course	Yes	Yes	Yes
5029	Fundamentals of Computing .5 unit middle school course	Yes	Yes	Yes
5061	Discovering Computer Science	Yes	Yes	Yes
5062	Discovering Computer Science .5 unit middle school course	Yes	Yes	Yes
5063	Discovering Computer Science .5 unit middle school course	Yes	Yes	Yes
5351	Advanced Animation	Yes	Yes	Yes
5323	Advanced Computer Operating System	Yes	Yes	Yes
5321	Advanced Computer Repair and Service	Yes	Yes	Yes
5372	Advanced Cyber Security	Yes	Yes	Yes
5311	Advanced Networking	Yes	Yes	Yes

	Information Technology			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
5313	Advanced Server Administration	Yes	Yes	Yes
5033	Advanced Web Page Design and Development	Yes	Yes	Yes
5374	Computer Forensics	Yes	Yes	Yes
5322	Computer Operating Systems	Yes	Yes	Yes
5050	Computer Programming 1	Yes	Yes	Yes
5051	Computer Programming 1 with C++	Yes	Yes	Yes
5056	Computer Programming 1 with JAVA	Yes	Yes	Yes
5057	Computer Programming 1 with Visual Basic	Yes	Yes	Yes
5052	Computer Programming 2 (2008)	Yes	Yes	Yes
5053	Computer Programming 2 with C++	Yes	Yes	Yes
5054	Computer Programming 2 with JAVA	Yes	Yes	Yes
5055	Computer Programming 2 with Visual Basic	Yes	Yes	Yes
5320	Computer Repair and Service	Yes	Yes	Yes
5370	Cyber Security Fundamentals	Yes	Yes	Yes
5324	Database Design and Programming with SQL	Yes	Yes	Yes
5326	Database Programming with PL/SQL (2011)	Yes	Yes	Yes
5063	Foundations of Animation	Yes	Yes	Yes
5350	Fundamentals of Web Page Design and Development	Yes	Yes	Yes
5352	Game Design and Development	Yes	Yes	Yes
5028	GIS Technology 1	Yes	Yes	Yes
5029	GIS Technology 2	Yes	Yes	Yes
5031	IT Fundamentals	Yes	Yes	Yes
5352	Java Fundamentals and Java Programming	Yes	Yes	Yes
5361	Networking Fundamentals	Yes	Yes	Yes
5362	SAS Programming 1	Yes	Yes	Yes
5025	SAS Programming 2	Yes	Yes	Yes

	Information Technology			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
5058	Server Administration	Yes	Yes	Yes
6372	Computer Science Essentials	Yes	Yes	Yes
6377	Computer Science Principles	Yes	Yes	Yes
6373	Computer Science A	Yes	Yes	Yes
6378	Cybersecurity	Yes	Yes	Yes

	Law, Public Safety, Corrections and Security			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
6514	Fire Fighter 1	Yes	Yes	No
6515	Fire Fighter 2	Yes	Yes	No
6505	Introduction to Law, Public Safety, Corrections and Security	Yes	Yes	No
6510	Law Enforcement Services 1	Yes	Yes	No
6511	Law Enforcement Services 2	Yes	Yes	No
6526	Legal Systems Technology 1	Yes	Yes	Yes
6527	Legal Systems Technology 2	Yes	Yes	Yes

	Manufacturing			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
6222	Advanced Technology for Design and Production	Yes	Yes	No
6225	Design for the Production of Advanced Products	Yes	Yes	No
6133	Electronics Technology 1	Yes	Yes	No
6134	Electronics Technology 2	Yes	Yes	No
6135	Electronics Technology 3	Yes	Yes	No
6136	Electronics Technology 4	Yes	Yes	No
6045	Introduction/Intermediate Manufacturing Technology	Yes	Yes	No
6230	Machine Tool Technology 1	Yes	Yes	No

	Manufacturing			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
6231	Machine Tool Technology 2	Yes	Yes	No
6232	Machine Tool Technology 3	Yes	Yes	No
6233	Machine Tool Technology 4	Yes	Yes	No
6210	Mechatronics 1 – Electrical Components/Industrial Safety	Yes	Yes	No
6211	Mechatronics 2 – Mechanical Components Electric Drives/Hand & Power Tool Op.	Yes	Yes	No
6212	Mechatronics 3 – Electro Pneumatics and Hydraulics	Yes	Yes	No
6213	Mechatronics 4 – Digital Fundamentals and Programmable Controllers	Yes	Yes	No
6224	Mechatronic Systems for Advanced Production	Yes	Yes	No
6260	Metal Fabrication 1	Yes	Yes	No
6261	Metal Fabrication 2	Yes	Yes	No
6262	Metal Fabrication 3	Yes	Yes	No
6263	Metal Fabrication 4	Yes	Yes	No
6223	Systems of Advanced Technology	Yes	Yes	No
6340	Welding Technology 1	Yes	Yes	No
6341	Welding Technology 2	Yes	Yes	No
6342	Welding Technology 3	Yes	Yes	No
6343	Welding Technology 4	Yes	Yes	No

	Marketing			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
5470	Advertising	Yes	Yes	Yes
5422	Digital Media Marketing	Yes	Yes	Yes
5410	Fashion Marketing	Yes	Yes	Yes
5421	Marketing	Yes	Yes	Yes
5423	Marketing Analytics	Yes	Yes	Yes
5431	Marketing Management	Yes	Yes	Yes
5430	Merchandising	Yes	Yes	Yes
5471	Professional Sales	Yes	Yes	Yes
5034	Social Media Marketing	Yes	Yes	Yes
5426	Sports and Entertainment Management	Yes	Yes	Yes
5425	Sports and Entertainment Marketing	Yes	Yes	Yes

	Science, Technology, Engineering and Mathematics			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
1780	PLTW – (Gateway to Technology) Design and Modeling	Yes	Yes	Yes
1781	PLTW – (Gateway to Technology) Automation and Robotics	Yes	Yes	Yes
1782	PLTW – (Gateway to Technology) App Creators	Yes	Yes	Yes
1783	PLTW – (Gateway to Technology) Energy and the Environment	Yes	Yes	Yes
1784	PLTW – (Gateway to Technology) Flight and Space	Yes	Yes	Yes
1785	PLTW – (Gateway to Technology) Computer Science for Innovators and Makers	Yes	Yes	Yes
1786	PLTW – (Gateway to Technology) Science of Technology	Yes	Yes	Yes
1787	PLTW – (Gateway to Technology) Magic of Electrons	Yes	Yes	Yes
1788	PLTW – (Gateway to Technology) Green Architecture	Yes	Yes	Yes

	Science, Technology, Engineering and Mathematics			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
1789	PLTW – (Gateway to Technology) Medical Detectives	Yes	Yes	Yes
2840	Industrial Technology Education	Yes	Yes	Yes
2780	PLTW – (Gateway to Technology) Design and Modeling	Yes	Yes	Yes
2781	PLTW - (Gateway to Technology) Automation and Robotics	Yes	Yes	Yes
2782	PLTW – (Gateway to Technology) App Creators	Yes	Yes	Yes
2783	PLTW – (Gateway to Technology) Energy and the Environment	Yes	Yes	Yes
2784	PLTW – (Gateway to Technology) Flight and Space	Yes	Yes	Yes
2785	PLTW – (Gateway) Computer Science for Innovators and Makers	Yes	Yes	Yes
2786	PLTW – (Gateway to Technology) Science of Technology	Yes	Yes	Yes
2787	PLTW – (Gateway to Technology) Magic of Electrons	Yes	Yes	Yes
2788	PLTW – (Gateway to Technology) Green Architecture	Yes	Yes	Yes
2789	PLTW – (Gateway to Technology) Medical Detectives	Yes	Yes	Yes
6387	Advanced Aerospace Technology	Yes	Yes	Yes
6388	Aeronautics Engineering Applications (2014)	Yes	Yes	Yes
6389	Astronautics Engineering Applications	Yes	Yes	Yes
6381	Clean Energy Applications (Course 2)	Yes	Yes	Yes
6383	Clean Energy Innovations (Course 4)	Yes	Yes	Yes
6382	Clean Energy Strategies (Course 3)	Yes	Yes	Yes
6380	Clean Energy Systems (Course 1)	Yes	Yes	Yes
6891	Computers, Networks and Databases	Yes	Yes	Yes
6141	Core Applications of Science and Technology	Yes	Yes	Yes
6370	Core Engineering 1	Yes	Yes	Yes
6371	Core Engineering 2	Yes	Yes	Yes
6375	Core Engineering 3	Yes	Yes	Yes

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	Science, Technology, Engineering and Mathematics			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
6376	Core Engineering 4	Yes	Yes	Yes
6143	Creativity and Innovations	Yes	Yes	Yes
6893	Databases in the Cloud	Yes	Yes	Yes
6892	Design for the Digital World	Yes	Yes	Yes
6894	Developing a Cloud Presence	Yes	Yes	Yes
5757	Food Science 1	Yes	Yes	Yes
5758	Food Science 2	Yes	Yes	No
6386	Fundamentals of Aerospace Technology	Yes	Yes	Yes
6142	Impacts of Science and Technology	Yes	Yes	Yes
6040	Industrial Technology Education (Exploratory) 1	Yes	Yes	Yes
6041	Industrial Technology Education (Exploratory) 2	Yes	Yes	Yes
6056	PLTW – Aerospace Engineering	Yes	Yes	Yes
6058	PLTW – Civil Engineering and Architecture	Yes	Yes	Yes
6053	PLTW – Computer Integrated Manufacturing	Yes	Yes	Yes
6373	PLTW – Computer Science A	Yes	Yes	Yes
6372	PLTW – Computer Science Essentials	Yes	Yes	Yes
6377	PLTW – Computer Science Principles	Yes	Yes	Yes
6378	PLTW – Cybersecurity	Yes	Yes	Yes
6052	PLTW – Digital Electronics	Yes	Yes	Yes
6054	PLTW – Engineering Design and Development	Yes	Yes	Yes
6144	PLTW – Engineering Essentials #	Yes	Yes	Yes
6374	PLTW – Environmental Sustainability	Yes	Yes	Yes
6051	PLTW – Introduction to Engineering Design	Yes	Yes	Yes
6050	PLTW – Principles of Engineering	Yes	Yes	Yes
6140	The Nature of Science and Technology	Yes	Yes	Yes

	Transportation, Distribution, and Logistics			
Course Number	CTE Course Name	F-2-F	Hybrid	Virtual
6020	Automotive Collision Repair Technology 1	Yes	Yes	No
6021	Automotive Collision Repair Technology 2	Yes	Yes	No
6022	Automotive Collision Repair Technology 3	Yes	Yes	No
6023	Automotive Collision Repair Technology 4	Yes	Yes	No
6030	Automotive Technology 1	Yes	Yes	No
6031	Automotive Technology 2	Yes	Yes	No
6032	Automotive Technology 3	Yes	Yes	No
6033	Automotive Technology 4	Yes	Yes	No
6310	Diesel Engine Technology 1	Yes	Yes	No
6311	Diesel Engine Technology 2	Yes	Yes	No
6312	Diesel Engine Technology 3	Yes	Yes	No
6313	Diesel Engine Technology 4	Yes	Yes	No
6192	Functional Areas in Logistics	Yes	Yes	Yes
6193	Global Logistics Management	Yes	Yes	Yes
6191	Introduction to Logistics	Yes	Yes	Yes
6015	Introduction to Transportation, Distribution, and Logistics	Yes	Yes	Yes
6194	Logistics and Supply Chain Management	Yes	Yes	Yes
6300	Power Equipment Technology 1	Yes	Yes	No
6301	Power Equipment Technology 2	Yes	Yes	No
6302	Power Equipment Technology 3	Yes	Yes	No
6303	Power Equipment Technology 4	Yes	Yes	No