

Course Code	Course Name/Course Title	Course Classification	Grades Served	Endorsement Codes	Training Requirement	General Notes
6113	Advanced Food Science	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		
5963	Agricultural and Biosystems Engineering	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		
5943	Agricultural Business and Finance	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448	Teachers must attend the state approved training to teach personal finance for this course to satisfy the personal finance credit.	Satisfies the one-half Personal Finance credit required for graduation
5954	Agricultural Power and Equipment	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		
5957	Agriscience	Ag-Agriculture, Food, & Natural Resources	9-12	(048 and 015), (048 and 016), (048 and 017), (048 and 081), (048 and 211), (048 and 212), (048 and 213), (048 and 214), (048 and 414), (048 and 415), (048 and 416), (048 and 417), (048 and 418), (048 and 449), (150 and 015), (150 and 016), (150 and 017), (150 and 081), (150 and 151), (150 and 211), (150 and 212), (150 and 213), (150 and 214), (150 and 414), (150 and 415), (150 and 416), (150 and 417), (150 and 418), (150 and 449), (448 and 015), (448 and 016), (448 and 017), (448 and 081), (448 and 211), (448 and 212), (448 and 213), (448 and 214), (448 and 414), (448 and 415), (448 and 416), (448 and 417), (448 and 418), (448 and 449)		Satisfies one laboratory science credit in the area of life sciences
6114	Applied Environmental Science	Ag-Agriculture, Food, & Natural Resources	9-12	(048 and 015), (048 and 016), (048 and 017), (048 and 081), (048 and 211), (048 and 212), (048 and 213), (048 and 214), (048 and 414), (048 and 415), (048 and 416), (048 and 417), (048 and 418), (048 and 449), (150 and 015), (150 and 016), (150 and 017), (150 and 081), (150 and 151), (150 and 211), (150 and 212), (150 and 213), (150 and 214), (150 and 414), (150 and 415), (150 and 416), (150 and 417), (150 and 418), (150 and 449), (448 and 015), (448 and 016), (448 and 017), (448 and 081), (448 and 211), (448 and 212), (448 and 213), (448 and 214), (448 and 414), (448 and 415), (448 and 416), (448 and 417), (448 and 418), (448 and 449)		Satisfies one laboratory science credit in the area of life sciences
6115	Food Science and Safety	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		

5954	Greenhouse Management	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		
885	Introduction to Agricultural Sciences	Ag-Agriculture, Food, & Natural Resources	7-8	048, 150, 448		
5951	Landscaping and Turf Science	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		
6116	Large Animal Science	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		
6117	Natural Resources Management	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		
5956	Organizational Leadership and Communications	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		
5950	Plant and Soil Science	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		
5946	Principles of Agribusiness	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		
5944	Principles of Agricultural Mechanics	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		
6118	Principles of Food Production	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		
6119	Principles of Plant Science and Hydroculture	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		
5958	Small Animal Science	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		
6020	Special Course - Agriculture, Food, & Natural Resources	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		Prior approval of special courses by the Division of Career and Technical Education is required.
5964	Supervised Agricultural Experience	Ag-Agriculture, Food, & Natural Resources	9-12	048, 150, 448		

5961	Veterinary Science	Ag-Agriculture, Food, & Natural Resources	9-12	(048 and 015), (048 and 016), (048 and 017), (048 and 081), (048 and 211), (048 and 212), (048 and 213), (048 and 214), (048 and 414), (048 and 415), (048 and 416), (048 and 417), (048 and 418), (048 and 449), (150 and 015), (150 and 016), (150 and 017), (150 and 081), (150 and 151), (150 and 211), (150 and 212), (150 and 213), (150 and 214), (150 and 414), (150 and 415), (150 and 416), (150 and 417), (150 and 418), (150 and 449), (448 and 015), (448 and 016), (448 and 017), (448 and 081), (448 and 211), (448 and 212), (448 and 213), (448 and 214), (448 and 414), (448 and 415), (448 and 416), (448 and 417), (448 and 418), (448 and 449)		Satisfies one laboratory science credit in the area of life sciences
6049	A/V Production I	Arts-Arts, Audio/Visual Technology, & Communications	9-12	538, 576, 597, 710		
6050	A/V Production II	Arts-Arts, Audio/Visual Technology, & Communications	9-12	538, 576, 597, 710		
6083	A/V Production III	Arts-Arts, Audio/Visual Technology, & Communications	9-12	538, 576, 597, 710		
6009	Advanced Fashion Design	Arts-Arts, Audio/Visual Technology, & Communications	9-12	050, 051, 059, 154, 450, 452		
6158	Applied Arts Practicum	Arts-Arts, Audio/Visual Technology, & Communications	9-12	A/V Production-538, 576, 597, 710, and ADDA Certified Digital Designer or NOCTI Advertising & Design or Adobe Certified Expert; Digital Arts & Design- 153, 230, 311, 435, 475, 476, 516, 520, 521, 537, 543, 583, 711, and ADDA Certified Digital Designer or NOCTI Advertising & Design or Adobe Certified Expert		ADDA Certified Digital Designer or NOCTI Advertising & Design or Adobe Certified Expert
6084	Digital Arts & Design I	Arts-Arts, Audio/Visual Technology, & Communications	9-12	153, 230, 311, 435, 436, 475, 476, 516, 519, 520, 521, 537, 538, 543, 576, 583, 597, 710, 711, and ADDA Certified Digital Designer or NOCTI Advertising & Design or Adobe Certified Expert		ADDA Certified Digital Designer or NOCTI Advertising & Design or Adobe Certified Expert

6086	Digital Arts & Design II	Arts-Arts, Audio/Visual Technology, & Communications	9-12	153, 230, 311, 435, 436, 475, 476, 516, 519, 520, 521, 537, 538, 543, 576, 583, 597, 710, 711, and ADDA Certified Digital Designer or NOCTI Advertising & Design or Adobe Certified Expert		ADDA Certified Digital Designer or NOCTI Advertising & Design or Adobe Certified Expert
6087	Digital Arts & Design III	Arts-Arts, Audio/Visual Technology, & Communications	9-12	153, 230, 311, 435, 436, 475, 476, 516, 519, 520, 521, 537, 538, 543, 576, 583, 597, 710, 711, and ADDA Certified Digital Designer or NOCTI Advertising & Design or Adobe Certified Expert		ADDA Certified Digital Designer or NOCTI Advertising & Design or Adobe Certified Expert
6008	Fashion Design	Arts-Arts, Audio/Visual Technology, & Communications	9-12	050, 051, 059, 154, 450, 452		
6120	Foundations of Fashion Design	Arts-Arts, Audio/Visual Technology, & Communications	9-12	050, 051, 059, 154, 450, 452		
6042	Special Course - Arts, Audio/Visual Technology, & Communications	Arts-Arts, Audio/Visual Technology, & Communications	9-12	153, 311, 435, 436, 475, 476, 516, 519, 520, 521, 523, 537, 538, 543, 576, 582, 583, 595, 597, 701, 710, 711, 740, and industry certification where required		Industry Certification where required. Prior approval of special courses by the Division of Career and Technical Education is required.
5904	Advanced Computer Applications	Bus-Business Management & Administration	9-12	030, 037, 039, 041, 052, 054, 055, 056, 057, 152, 153, 158, 201, 203, 204, 311, 430, 434, 435, 436, 471, 472, 474, 475, 476		
5892	American Business Legal Systems	Bus-Business Management & Administration	9-12	030, 035, 039, 052, 054, 152, 153, 158, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		Satisfies one-half credit in U.S. Government with HQ teacher
6159	Business and Entrepreneurship Practicum	Bus-Business Management & Administration	9-12	030, 035, 039, 052, 054, 152, 153, 158, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		
5888	Business Communications	Bus-Business Management & Administration	9-12	030, 031, 032, 034, 037, 039, 041, 052, 054, 055, 056, 057, 152, 153, 158, 201, 202, 203, 204, 311, 430, 432, 433, 434, 435, 436, 471, 472, 474, 475, 476		

5898	Business Economics	Bus-Business Management & Administration	9-12	030, 035, 039, 052, 054, 152, 153, 158, 201, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		Satisfies one-half credit in Economics with HQ teacher
5889	Business Management	Bus-Business Management & Administration	9-12	030, 035, 039, 052, 054, 056, 057, 152, 153, 158, 201, 202, 204, 311, 430, 433, 435, 436, 471, 472, 474, 475, 476		
5891	Computer Applications	Bus-Business Management & Administration	9-12	030, 033, 037, 039, 041, 052, 054, 055, 057, 152, 153, 158, 201, 202, 203, 204, 311, 430, 431, 432, 434, 435, 436, 471, 472, 474, 475, 476		
5905	Introduction to Business and Marketing	Bus-Business Management & Administration	9-12	030, 035, 039, 052, 054, 152, 153, 158, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		
5901	Personal Finance	Bus-Business Management & Administration	9-12	024, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 041, 050, 051, 052, 054, 055, 056, 057, 130, 152, 153, 158, 201, 202, 203, 204, 311, 424, 430, 431, 432, 433, 434, 435, 436, 450, 471, 472, 474, 475, 476, OR any CTE Professional license with state approved training	Training is only required for those endorsements that are NOT specified. Teachers who do not have the endorsements listed must attend the state approved training to teach personal finance.	Satisfies the one-half Personal Finance credit required for graduation. Successful completion of 3 years of JROTC substitutes for ½ credit of Personal Finance.
5913	Special Course - Business Management & Administration	Bus-Business Management & Administration	9-12	030, 035, 052, 054, 152, 153, 158 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		Prior approval of special courses by the Division of Career and Technical Education is required.
5886	Principles of Technology I	CA-Contextual Academics	9-12	016, 017, 127, 129, 212, 214, 414, 416, 417	Teachers who teach this course must hold proper endorsement and have attended state approved training.	This course satisfies one laboratory science credit required for graduation if taught by a teacher meeting Highly Qualified.

5887	Principles of Technology II	CA-Contextual Academics	9-12	016, 017, 127, 129, 212, 214, 414, 416, 417	Teachers who teach this course must hold proper endorsement and have attended state approved training.	Principles of Technology II satisfies one science credit required for graduation. The completion of Principles of Technology I and II fulfills the requirement for a credit in Physics if taught by a teacher meeting Highly Qualified.
6121	Advanced Interior Design	Cons-Architecture & Construction	9-12	050, 051, 154, 450		
6037	Architectural & Engineering Design I	Cons-Architecture & Construction	9-12	070, 157, 230, 470, 477, 531, 551, 552, 553, 554, 555, 556, 584, 585, 595, 596, 700, 705, 740, 760, or any other Occupational License endorsement with ADDA certified drafter or Autodesk certification		ADDA certified drafter or Autodesk certification
6039	Architectural & Engineering Design II	Cons-Architecture & Construction	9-12	070, 157, 230, 470, 477, 531, 551, 552, 553, 554, 555, 556, 584, 585, 595, 596, 700, 705, 740, 760, or any other Occupational License endorsement with ADDA certified drafter or Autodesk certification		ADDA certified drafter or Autodesk certification
5927	Architectural & Engineering Design III	Cons-Architecture & Construction	9-12	070, 157, 230, 470, 477, 531, 551, 552, 553, 554, 555, 556, 584, 585, 595, 596, 700, 705, 740, 760, or any other Occupational License endorsement with ADDA certified drafter or Autodesk certification		ADDA certified drafter or Autodesk certification
6122	Commercial Interior Design	Cons-Architecture & Construction	9-12	050, 051, 154, 450		
6160	Construction Practicum	Cons-Architecture & Construction	9-12	501, 502, 522, 523, 524, 527, 532, 553, 554, 555, 556, 567, 575, 580, 584, 585, 592, 598, 701, 702, 703, 705, 706, 707		
6075	Electrical Systems	Cons-Architecture & Construction	9-12	523, 532, 567, 580, 592, 701		
6014	Foundations of Interior Design	Cons-Architecture & Construction	9-12	050, 051, 154, 450		

6073	Fundamentals of Construction	Cons-Architecture & Construction	9-12	501, 502, 522, 523, 524, 527, 532, 553, 554, 555, 556, 567, 575, 580, 584, 585, 592, 598, 701, 702, 703, 705, 706, 707		
6077	HVAC	Cons-Architecture & Construction	9-12	501, 502, 523, 532, 567, 592, 598, 701, 707		
6161	Mechanical, Electrical, & Plumbing Systems	Cons-Architecture & Construction	9-12	501, 502, 523, 527, 532, 567, 580, 592, 598, 701, 703, 707		
6082	Plumbing Systems	Cons-Architecture & Construction	9-12	527, 567, 580, 592, 703,		
6162	Residential & Commercial Construction I	Cons-Architecture & Construction	9-12	580 OR a minimum of three of the following endorsements: 522, 523, 524, 527, 598, OR a minimum of three of the following endorsements: 701, 702, 703, 706, 707	It is highly recommended for teachers who do not hold the 580 endorsement to attend the training at the Institute for CTE Educators.	
6163	Residential & Commercial Construction II	Cons-Architecture & Construction	9-12	580 OR a minimum of three of the following endorsements: 522, 523, 524, 527, 598, OR a minimum of three of the following endorsements: 701, 702, 703, 706, 707	It is highly recommended for teachers who do not hold the 580 endorsement to attend the training at the Institute for CTE Educators.	
6006	Residential Interior Design	Cons-Architecture & Construction	9-12	050, 051, 154, 450		
6032	Special Course - Architecture & Construction	Cons-Architecture & Construction	9-12	Architectural engineering: 070, 157, 230, 470, 477, 531, 551, 552, 553, 554, 555, 556, 584, 585, 595, 596, 700, 705, 740, 760, or any other Occupational License endorsement with ADDA certified drafter or Autodesk certification. Interior Design: 050, 051, 154, 450, Construction: 501, 502, 522, 523, 524, 527, 531, 532, 551, 552, 553, 554, 555, 556, 567, 575, 580, 584, 585, 592, 598, 595, 596, 700, 701, 702, 703, 705, 706, 707, 740, 760		Industry certification where required. Prior approval of special courses by the Division of Career and Technical Education is required.
6164	Structural Systems I	Cons-Architecture & Construction	9-12	522, 575, 580, 592, 706		
6165	Structural Systems II	Cons-Architecture & Construction	9-12	522, 575, 580, 592, 706		
5884	Career and Technical Education Transfer Credit	CTE-General CTE	9-12	N/A		

6166	Career Exploration	CTE-General CTE	8-9	001, 004, 006, 007, 009, 009, 010, 011, 012, 013, 014, 015, 016, 017, 018, 019, 020, 021, 022, 023, 024, 025, 026, 027, 027, 028, 029, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 047, 048, 049, 050, 051, 052, 054, 055, 056, 057, 058, 059, 060, 061, 062, 063, 064, 065, 066, 067, 068, 069, 070, 071, 072, 073, 077, 078, 079, 080, 081, 082, 099, 100, 101, 102, 103, 105, 108, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 145, 146, 125, 126, 127, 128, 129, 130, 131, 132, 133, 147, 150, 151, 152, 153, 154, 155, 156, 157, 158, 201, 202, 203, 204, 210, 211, 212, 213, 214, 220, 221, 230, 231, 240, 241, 250, 301, 310, 311, 400, 401, 402, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 434, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 439, 445, 448, 449, 450, 451, 452, 453, 458, 460, 461, 462, 463, 464, 465, 466, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 484, 485, 486, 490, 491, 492, 493, 494, 495, 496, 498, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 700, 701, 702, 703, 705, 706, 707, 710, 711, 720, 721, 722, 730, 740, 742, 750, 751, 760, 770, 771, 772, 773, 774, 775, 776, 780, 781		
6102	Special Course - Interdisciplinary CTE	CTE-General CTE	9-12	Any CTE endorsement		Prior approval of special courses by the Division of Career and Technical Education is required.
6123	Fundamentals of Education	Edu-Education & Training	9-12	050, 051, 154, 450		
6124	School Counseling	Edu-Education & Training	9-12	050, 051, 154, 450		

6021	Special Course - Education & Training	Edu-Education & Training	9-12	050, 051, 058, 062, 154, 156, 450, 451		Prior approval of special courses by the Division of Career and Technical Education is required.
6010	Teaching as a Profession I	Edu-Education & Training	9-12	050, 051, 154, 450		
6125	Teaching as a Profession II	Edu-Education & Training	9-12	050, 051, 154, 450		
6126	Teaching as a Profession III	Edu-Education & Training	9-12	050, 051, 154, 450		
5910	Accounting I	Fin-Finance	9-12	030, 052, 054, 055, 152, 153, 158, 201, 203, 204, 311, 430, 434, 435, 436, 471, 472, 474, 475, 476		
5911	Accounting II	Fin-Finance	9-12	030, 052, 054, 055, 152, 153, 158, 201, 203, 204, 311, 430, 434, 435, 436, 471, 472, 474, 475, 476		
5899	Banking and Finance	Fin-Finance	9-12	030, 033, 035, 039, 052, 054, 152, 153, 158, 201, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		
5890	Financial Planning	Fin-Finance	9-12	030, 033, 035, 039, 052, 054, 152, 153, 158, 201, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		
5982	Special Course - Finance	Fin-Finance	9-12	030, 035, 052, 054, 152, 153, 158, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		Prior approval of special courses by the Division of Career and Technical Education is required.
6127	Principles of Public Service	Gov-Government & Public Administration	9-12	132, 423, 590, 750		
6128	Public Law and Budgeting	Gov-Government & Public Administration	9-12	132, 423, 590, 750		
6129	Public Management and Administration	Gov-Government & Public Administration	9-12	132, 423, 590, 750		
6019	Special Course - Government & Public Administration	Gov-Government & Public Administration	9-12	132, 423, 590, 750		Prior approval of special courses by the Division of Career and Technical Education is required.

5979	Culinary Arts I	Hosp-Hospitality & Tourism	9-12	(050 and 060), (050 and 453), (051 and 060), (051 and 453), (154 and 155), (450 and 060), (450 and 453), 562, 563, 564, 566, 730		Serve-Safe, National Registry of Food Safety Professionals, or CCE Culinary Chef Educator Industry Certification
5980	Culinary Arts II	Hosp-Hospitality & Tourism	9-12	(050 and 060), (050 and 453), (051 and 060), (051 and 453), (154 and 155), (450 and 060), (450 and 453), 562, 563, 564, 566, 730		Serve-Safe, National Registry of Food Safety Professionals, or CCE Culinary Chef Educator Industry Certification
5981	Culinary Arts III	Hosp-Hospitality & Tourism	9-12	(050 and 060), (050 and 453), (051 and 060), (051 and 453), (154 and 155), (450 and 060), (450 and 453), 562, 563, 564, 566, 730		Serve-Safe, National Registry of Food Safety Professionals, or CCE Culinary Chef Educator Industry Certification
6167	Culinary Arts IV	Hosp-Hospitality & Tourism	9-12	(050 and 060), (050 and 453), (051 and 060), (051 and 453), (154 and 155), (450 and 060), (450 and 453), 562, 563, 564, 566, 730		Serve-Safe, National Registry of Food Safety Professionals, or CCE Culinary Chef Educator Industry Certification
6168	Event Planning & Management	Hosp-Hospitality & Tourism	9-12	035, 039, 052, 054, 152, 153, 158, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		
5933	Hospitality & Tourism Exploration	Hosp-Hospitality & Tourism	9-12	035, 039, 052, 054, 152, 153, 158, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		
5940	Hospitality Management	Hosp-Hospitality & Tourism	9-12	035, 039, 052, 054, 152, 153, 158, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		
6169	Hospitality Marketing	Hosp-Hospitality & Tourism	9-12	035, 039, 052, 054, 152, 153, 158, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		

5978	Special Course - Hospitality & Tourism	Hosp-Hospitality & Tourism	9-12	035, 039, 052, 054, (050 and 060), (050 and 453), (051 and 060), (051 and 453), (450 and 060), (450 and 453), (154 and 155), 152, 153, 158, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476, 562, 563, 564, 566, 730		Industry certification where required. Prior approval of special courses by the Division of Career and Technical Education is required.
5991	Anatomy and Physiology	HS-Health Science	9-12	577, 720		
6130	Behavioral and Community Health	HS-Health Science	9-12	577, 720, 722		
5992	Biomedical Applications	HS-Health Science	9-12	577, 720		
6131	Cardiovascular Services	HS-Health Science	9-12	577, 720		
5993	Clinical Internship	HS-Health Science	9-12	577, 720	Teachers who have never taught Clinical Internship MUST attend an 4 hour training provided by Department of Education and must also attend Work Based Learning training	
6134	Dental Science	HS-Health Science	9-12	577, 720		
5994	Diagnostic Medicine	HS-Health Science	9-12	577, 720		
5995	Emergency Medical Services	HS-Health Science	9-12	577, 751, 720	Teachers wanting to offer the Emergency Medical Responder (EMR) certification have additional requirements. Please contact Amy.F.Howell@tn.gov	
6170	Exercise Science	HS-Health Science	9-12	577, 720		
5996	Forensic Science	HS-Health Science	9-12	577, 720		
6132	Global Health and Epidemiology	HS-Health Science	9-12	577, 720, 722		
5997	Health Information Technology	HS-Health Science	9-12	577, 720, 721, 722		
5998	Health Science Education	HS-Health Science	9-12	577, 720		

837	Introduction to Health Science	HS-Health Science	7-8	001, 015, 016, 101, 123, 126, 127, 210, 211, 212, 400, 401, 402, 415, 416, 440		Middle School teachers are encouraged to coordinate the teaching of this course with the corresponding High School Health Science program.
5883	Medical Terminology	HS-Health Science	9-12	577, 720, 721, 722		
5999	Medical Therapeutics	HS-Health Science	9-12	577, 720		
6000	Nursing Education	HS-Health Science	9-12	577, 720	Teachers who have never taught Nursing Education MUST attend an 8 hour training provided by Department of Education. They must also be trained in Work-Based Learning.	This course can only be taught by Registered Nurses.
6133	Pharmacological Sciences	HS-Health Science	9-12	577, 720		
5990	Rehabilitation Careers	HS-Health Science	9-12	577, 720		
6001	Special Course - Health Science	HS-Health Science	9-12	577, 720, 721, 722		Prior approval of special courses by the Division of Career and Technical Education is required.
5972	Barbering I	HuSv-Human Services	9-12	560, 780		
5973	Barbering II	HuSv-Human Services	9-12	560, 780		
5974	Barbering III	HuSv-Human Services	9-12	560, 780		
5984	Chemistry of Cosmetology	HuSv-Human Services	9-12	561, 781		
5986	Design Principles of Cosmetology	HuSv-Human Services	9-12	561, 781		
6015	Early Childhood Education Careers I	HuSv-Human Services	9-12	(050 and 058), (050 and 451), (051 and 058), (051 and 451), (154 and 156), (450 and 058), (450 and 451)		
6016	Early Childhood Education Careers II	HuSv-Human Services	9-12	(050 and 058), (050 and 451), (051 and 058), (051 and 451), (154 and 156), (450 and 058), (450 and 451)		
6017	Early Childhood Education Careers III	HuSv-Human Services	9-12	(050 and 058), (050 and 451), (051 and 058), (051 and 451), (154 and 156) (450 and 058), (450 and 451)		

6135	Early Childhood Education Careers IV	HuSv-Human Services	9-12	(050 and 058), (050 and 451), (051 and 058), (051 and 451), (154 and 156), (450 and 058), (450 and 451)		
6136	Family Studies	HuSv-Human Services	9-12	050, 051, 154, 450		
6138	Human Services Practicum	HuSv-Human Services	9-12	050, 051, 154, 450		
6137	Introduction to Human Studies	HuSv-Human Services	9-12	050, 051, 154, 450		
562	Introduction to Social Health	HuSv-Human Services	5-8	001, 050, 051, 101, 154, 400, 401, 402, 440, 450, 499		
6013	Lifespan Development	HuSv-Human Services	9-12	050, 051, 154, 450		
6005	Nutrition Across the Lifespan	HuSv-Human Services	9-12	050, 051, 154, 450		
6007	Nutrition Science & Diet Therapy	HuSv-Human Services	9-12	050, 051, 154, 450, 577, 720	Teachers who have never taught Nutrition Science and Diet Therapy MUST attend the training provided by Department of Education.	
5983	Principles of Cosmetology	HuSv-Human Services	9-12	561, 781		
5975	Special Course - Human Services	HuSv-Human Services	9-12	050, 051, 154, 450, 586, 590, 560, 561, 750, 780, 781		Industry certification where required. Prior approval of special courses by the Division of Career and Technical Education is required.
6093	Cabling and Internetworking	IT-Information Technology	9-12	523, 532, 533, 537, 582, 595, 701, 740		
6094	Computer Systems	IT-Information Technology	9-12	153, 311, 435, 436, 475, 476, 582, 595, 740, and one of the following industry certifications: A+, NetPlus, CIW, or CISCO		A+, NetPlus, CIW, or CISCO Industry Certification
6095	Information Technology Foundations	IT-Information Technology	9-12	153, 311, 435, 436, 475, 476, 582, 595, 740		
6096	IT (Information Technology) Clinical Internship	IT-Information Technology	9-12	153, 311, 435, 436, 475, 476, 582, 595, 740, and one of the following industry certifications: A+, NetPlus, CIW, or CISCO	Teachers must be trained in Work-Based Learning.	NetPlus or CISCO Industry Certification
6097	Networking	IT-Information Technology	9-12	153, 311, 435, 436, 475, 476, 582, 595, 740, and one of the following industry certifications: A+, Net Plus, CIW, or CISCO		A+, NetPlus, CIW, or CISCO Industry Certification

5908	Programming & Software Development Practicum	IT-Information Technology	9-12	037, 041, 055, 056, 057, 152, 153, 203, 204, 311, 434, 435, 436, 474, 475, 476, 595, 740, 742		<p>Rules, Regulations and Minimum Standards 0520-1-2.03(8) states Teachers of Computer Technology, Grades 9-12 A teacher shall have a valid Tennessee teacher license with an endorsement grades 7-12 and must have completed the equivalent of twelve semester hours of computer course work including six semester hours of programming. Endorsements 474, 475, 476 require the equivalent of twelve semester courses work including at least six hours of programming language.</p>
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6098	Programming and Logic I	IT-Information Technology	9-12	037, 041, 055, 056, 057, 152, 153, 203, 204, 311, 434, 435, 436, 474, 475, 476, 595, 740, 742		Rules, Regulations and Minimum Standards 0520-1-2.03(8) states Teachers of Computer Technology, Grades 9-12 A teacher shall have a valid Tennessee teacher license with an endorsement grades 7-12 and must have completed the equivalent of twelve semester hours of computer course work including six semester hours of programming. Endorsements 474, 475, 476 require the equivalent of twelve semester courses work including at least six hours of programming language.
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6099	Programming and Logic II	IT-Information Technology	9-12	037, 041, 055, 056, 057, 152, 153, 203, 204, 311, 434, 435, 436, 474, 475, 476, 595, 740, 742		<p>Rules, Regulations and Minimum Standards 0520-1-2.03(8) states Teachers of Computer Technology, Grades 9-12 A teacher shall have a valid Tennessee teacher license with an endorsement grades 7-12 and must have completed the equivalent of twelve semester hours of computer course work including six semester hours of programming. Endorsements 474, 475, 476 require the equivalent of twelve semester courses work including at least six hours of programming language.</p>
5915	Special Course - Information Technology	IT-Information Technology	9-12	153, 311, 435, 436, 475, 476, 501, 502, 516, 519, 520, 521, 523, 537, 538, 543, 567, 576, 578, 582, 583, 595, 597, 701, 710, 711, 740		<p>Industry certification where required. Prior approval of special courses by the Division of Career and Technical Education is required.</p>

6100	Web Design Foundations	IT-Information Technology	9-12	055, 070, 153, 157, 203, 204, 230, 231, 232, 233, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (046 and 047), (046 and 077), (047 and 079), (047 and 077), (047 and 078), (077 and 078), (077 and 079), (078 and 079), 311, 434, 435, 436, 470, 475, 476, 477, 516, 519, 582, 583, 595, 543, 711, 740		
6171	Web Design Practicum	IT-Information Technology	9-12	070, 153, 157, 203, 204, 230, 231, 232, 233, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (046 and 047), (047 and 079), (047 and 077), (047 and 078), (077 and 078), (077 and 079), (078 and 079), 311, 435, 436, 470, 475, 476, 477, 516, 519, 582, 583, 595, 543, 711, 740		CIW Association Foundation Certification or CIW Site Designer Industry Certification. For endorsements 037, 041, 055, 056, 057, 153, 203, 204, 311, 434, 435, 436, 475, 476, CIW Web Design Specialist Industry Certification required in 2015-16.

6101	Web Site Development	IT-Information Technology	9-12	055, 070, 153, 157, 203, 204, 230, 231, 232, 233, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (046 and 047), (046 and 077), (047 and 079), (047 and 077), (047 and 078), (077 and 078), (077 and 079), (078 and 079), 311, 434, 435, 436, 470, 475, 476, 477, 516, 519, 582, 583, 595, 543, 711, 740		CIW Association Foundation Certification or CIW Site Designer Industry Certification. For endorsements 037, 041, 055, 056, 057, 153, 203, 204, 311, 434, 435, 436, 475, 476, CIW Web Design Specialist Industry Certification required in 2015-16.
6150	Court Systems & Practices	Law-Law, Public Safety, Corrections & Security	9-12	590, 750		
5987	Criminal Justice I	Law-Law, Public Safety, Corrections & Security	9-12	590, 750		
5988	Criminal Justice II	Law-Law, Public Safety, Corrections & Security	9-12	590, 750		
5989	Criminal Justice III: Investigation	Law-Law, Public Safety, Corrections & Security	9-12	590, 750		
6151	Emergency Preparedness	Law-Law, Public Safety, Corrections & Security	9-12	577, 590, 720, 722, 750, 751		
6152	Fire Science I	Law-Law, Public Safety, Corrections & Security	9-12	751		
6153	Fire Science II	Law-Law, Public Safety, Corrections & Security	9-12	751		
6154	Principles of Fire and Emergency Services	Law-Law, Public Safety, Corrections & Security	9-12	751		
6155	Principles of Law, Corrections & Security	Law-Law, Public Safety, Corrections & Security	9-12	590, 750		

5916	Special Course - Law, Public Safety, Corrections & Security	Law-Law, Public Safety, Corrections & Security	9-12	590, 750, 751		Industry certification where required. Prior approval of special courses by the Division of Career and Technical Education is required.
6090	Advanced Electromechanical Technology	Manu- Advanced Manufacturing	9-12	523, 531, 537, 551, 552, 553, 554, 555, 556, 557, 582, 584, 585, 596, 598, 700, 701, 705, 707, 760		

5926	Advanced Manufacturing Practicum	Manu- Advanced Manufacturing	9-12	<p>(042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 157, 230, 231, 232, 233, 470, 477, 501, 502, 523, 537, 551, 552, 553, 554, 555, 556, 557, 575, 582, 584, 585, 596, 705, 706, 707, 760</p>		<p>The following endorsements require NIMS industry certification to teach this course: (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 157, 230, 231, 232, 233, 470, 477,</p>
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5925	Digital Electronics	Manu- Advanced Manufacturing	9-12	070, 157, 230, 231, 232, 233, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 470, 477, 501, 502, 523, 537, 551, 552, 553, 554, 555, 556, 557, 567, 582, 584, 585, 596, 701, 705, 707, 760		
6091	Introduction to Electromechanical	Manu- Advanced Manufacturing	9-12	523, 531, 537, 551, 552, 553, 554, 555, 556, 557, 582, 584, 585, 596, 598, 700, 701, 705, 707, 760		
6156	Mechatronics I	Manu- Advanced Manufacturing	9-12	157, 232, 233, 470, 477, 523, 537, 551, 552, 582, 596, 701, 760		
6157	Mechatronics II	Manu- Advanced Manufacturing	9-12	157, 232, 233, 470, 477, 523, 537, 551, 552, 582, 596, 701, 760		

5929	Principles of Machining I	Manu- Advanced Manufacturing	9-12	<p>070, 157, 230, 231, 232, 233, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 470, 477, 531, 537, 551, 552, 553, 554, 555, 556, 557, 575, 582, 584, 585, 596, 700, 705, 760</p>	<p>The following endorsements require NIMS industry certification to teach this course: 070, 230, 231, 232, 233, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 470, 477, 157</p>
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5923	Principles of Machining II	Manu- Advanced Manufacturing	9-12	<p>070, 157, 230, 231, 232, 233, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 470, 477, 531, 537, 551, 552, 553, 554, 555, 556, 557, 575, 582, 584, 585, 596, 700, 705, 760</p>		<p>The following endorsements require NIMS industry certification to teach this course: 070, 230, 231, 232, 233, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 470, 477, 157</p>
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5922	Principles of Manufacturing	Manu- Advanced Manufacturing	9-12	070, 157, 230, 231, 232, 233, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 470, 477, 501, 502, 523, 537, 551, 552, 553, 554, 555, 556, 557, 575, 582, 584, 585, 596, 701, 705, 707, 760		
6051	Special Course - Advanced Manufacturing	Manu- Advanced Manufacturing	9-12	070, 157, 230, 231, 232, 233, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 470, 477, 501, 502, 523, 537, 551, 552, 553, 554, 555, 556, 557, 575, 582, 584, 585, 596, 701, 705, 707, 760		Industry certification where required. Prior approval of special courses by the Division of Career and Technical Education is required.

6078	Welding I	Manu- Advanced Manufacturing	9-12	<p>551, 552, 553, 554, 555, 556, 557, 584, 705, OR any other Occupational license endorsement. In addition, the teacher must hold one of the following current/valid industry certifications: American Welding Society (AWS) Certified Welding Inspector (CWI), Certified Welding Educator (CWE), Certified Radiographic Interpreters, Certified Welding Engineer (CWEng), Certified Robotic Arc Welding (CRAW), Certified Welding Fabricator, Certified Welder OR Bureau of Apprenticeship and Training certification. (BAT), OR NOCTI Welding.</p>		<p>In addition, the teacher must hold one of the following current/valid industry certifications: American Welding Society (AWS) Certified Welding Inspector (CWI), Certified Welding Educator (CWE), Certified Radiographic Interpreters, Certified Welding Engineer (CWEng), Certified Robotic Arc Welding (CRAW), Certified Welding Fabricator, Certified Welder OR Bureau of Apprenticeship and Training certification. (BAT) OR NOCTI Welding.</p>
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6033	Welding II	Manu- Advanced Manufacturing	9-12	551, 552, 553, 554, 555, 556, 557, 584, 705, OR any other Occupational license endorsement. In addition, the teacher must hold one of the following current/valid industry certifications: American Welding Society (AWS) Certified Welding Inspector (CWI), Certified Welding Educator (CWE), Certified Radiographic Interpreters, Certified Welding Engineer (CWEng), Certified Robotic Arc Welding (CRAW), Certified Welding Fabricator, Certified Welder OR Bureau of Apprenticeship and Training certification. (BAT) OR NOCTI Welding.		In addition, the teacher must hold one of the following current/valid industry certifications: American Welding Society (AWS) Certified Welding Inspector (CWI), Certified Welding Educator (CWE), Certified Radiographic Interpreters, Certified Welding Engineer (CWEng), Certified Robotic Arc Welding (CRAW), Certified Welding Fabricator, Certified Welder OR Bureau of Apprenticeship and Training certification. (BAT) OR NOCTI Welding.
5936	Advertising and Public Relations	Mktg-Marketing	9-12	052, 152, 153, 158, 471, 472, 474, 475, 476		
5934	Entrepreneurship	Mktg-Marketing	9-12	030, 035, 039, 052, 054, 152, 153, 158, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		Satisfies one-half credit in Economics with HQ teacher
5931	Marketing & Management I: Principles	Mktg-Marketing	9-12	030, 035, 052, 054, 152, 153, 158, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		Satisfies one-half credit in Economics with HQ teacher.
5932	Marketing & Management II: Advanced Strategies	Mktg-Marketing	9-12	030, 035, 052, 054, 152, 153, 158, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		

5938	Retail Operations	Mktg-Marketing	9-12	030, 035, 052, 054, 152, 153, 158, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		Satisfies one-half credit in Economics with HQ teacher.
5942	Special Course - Marketing	Mktg-Marketing	9-12	030, 035, 052, 054, 152, 153, 158, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476		Prior approval of special courses by the Division of Career and Technical Education is required.
5900	Virtual Enterprise International	Mktg-Marketing	9-12	030, 035, 037, 039, 041, 052, 055, 056, 152, 153, 158, 201, 202, 203, 204, 311, 430, 434, 435, 436, 471, 472, 474, 475, 476		This course is trademarked by the New York City Department of Education and has an associated fee. Prior approval must be obtained from the Business Administration and Management, Finance, and Marketing consultant as well as requisite training before offering this course. This course satisfies the program of study requirement for Business Management & Administration and Marketing. Satisfies one-half credit in Economics with HQ teacher

5920	Advanced Design Applications (EBD)	STEM-Science, Technology, Engineering, & Mathematics	9-12	007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 460, 461, 470, 477, 480, 481, 482, 483, OR Occupational licensed instructor who holds a bachelor's degree	Teachers who have never taught this course MUST attend the training provided by Department of Education.	This course has an associated fee through the vendor
5919	Advanced Technological Applications (EBD)	STEM-Science, Technology, Engineering, & Mathematics	9-12	007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 460, 461, 470, 477, 480, 481, 482, 483, OR Occupational licensed instructor who holds a bachelor's degree	Teachers who have never taught this course MUST attend the training provided by Department of Education.	This course has an associated fee through the vendor

6057	Aerospace Engineering (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	9-12	007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 460, 461, 470, 477, 480, 481, 482, 483, OR Occupational licensed instructor who holds a bachelor's degree	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor
883	Automation and Robotics (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	7	001, 007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 121, 122, 123, 124, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 470, 477, 480, 481, 482, 483	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor

6058	Biotechnical Engineering (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	9-12	007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 460, 461, 470, 477, 480, 481, 482, 483, OR Occupational licensed instructor who holds a bachelor's degree	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor
6056	Civil Engineering and Architecture (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	9-12	007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 460, 461, 470, 477, 480, 481, 482, 483, OR Occupational licensed instructor who holds a bachelor's degree	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor

6055	Computer Integrated Manufacturing (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	9-12	007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 460, 461, 470, 477, 480, 481, 482, 483, OR Occupational licensed instructor who holds a bachelor's degree	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor
783	Design and Modeling (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	6	001, 013, 014, 015, 016, 017, 018, 047, 070, 078, 081, 101, 121, 122, 123, 124, 125, 126, 127, 128, 129, 157, 210, 211, 212, 213, 214, 230, 232, 233, 400, 401, 402, 413, 414, 415, 416, 417, 418, 440, 470, 477, 499xxx001, 007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 121, 122, 123, 124, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 470, 477, 480, 481, 482, 483, 499	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor

6053	Digital Electronics (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	9-12	<p>007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 460, 461, 470, 477, 480, 481, 482, 483, OR Occupational licensed instructor who holds a bachelor's degree</p>	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor
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886	Energy and the Environment (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	8	001, 007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 121, 122, 123, 124, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 470, 477, 480, 481, 482, 483	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor
5921	Engineering Design (EBD)	STEM-Science, Technology, Engineering, & Mathematics	9-12	007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 460, 461, 470, 477, 480, 481, 482, 483, OR Occupational licensed instructor who holds a bachelor's degree	Teachers who have never taught this course MUST attend the training provided by Department of Education.	This course has an associated fee through the vendor

6059	Engineering Design and Development (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	9-12	007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 460, 461, 470, 477, 480, 481, 482, 483, OR Occupational licensed instructor who holds a bachelor's degree	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor
6139	Engineering Design I	STEM-Science, Technology, Engineering, & Mathematics	9-12	013, 014, 015, 016, 017, 018, 047, 070, 078, 081, 125, 126, 127, 128, 129, 157, 210, 211, 212, 213, 214, 413, 414, 415, 416, 417, 418, 230, 232, 233, 470, 477, 519, 531, 595, 596, 700, 740, 760	Teachers who have never taught this course MUST attend the training provided by Department of Education.	
6140	Engineering Design II	STEM-Science, Technology, Engineering, & Mathematics	9-12	013, 014, 015, 016, 017, 018, 047, 070, 078, 081, 125, 126, 127, 128, 129, 157, 210, 211, 212, 213, 214, 413, 414, 415, 416, 417, 418, 230, 232, 233, 470, 477, 519, 531, 595, 596, 700, 740, 760	Teachers who have never taught this course MUST attend the training provided by Department of Education.	
6141	Engineering Practicum	STEM-Science, Technology, Engineering, & Mathematics	9-12	013, 014, 015, 016, 017, 018, 047, 070, 078, 081, 125, 126, 127, 128, 129, 157, 210, 211, 212, 213, 214, 413, 414, 415, 416, 417, 418, 230, 232, 233, 470, 477, 519, 531, 551, 552, 553, 554, 555, 556, 584, 585, 595, 596, 700, 740, 760		

647	Exploring Technology (EBD)	STEM-Science, Technology, Engineering, & Mathematics	5-6	001, 007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 121, 122, 123, 124, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 470, 477, 480, 481, 482, 483, 499	Teachers who have never taught this course MUST attend the training provided by Department of Education.	This course has an associated fee through the vendor
887	Flight and Space (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	8	001, 007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 121, 122, 123, 124, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 470, 477, 480, 481, 482, 483	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor

5917	Foundations of Technology (EBD)	STEM-Science, Technology, Engineering, & Mathematics	9-12	007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 460, 461, 470, 477, 480, 481, 482, 483, OR Occupational licensed instructor who holds a bachelor's degree	Teachers who have never taught this course MUST attend the training provided by Department of Education.	This course has an associated fee through the vendor
888	Green Architecture (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	8	001, 007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 121, 122, 123, 124, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 470, 477, 480, 481, 482, 483	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor

6054	Introduction to Engineering Design (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	9-12	007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 460, 461, 470, 477, 480, 481, 482, 483, OR Occupational licensed instructor who holds a bachelor's degree	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor
6142	Introduction to Geographical Information Systems (GIS)	STEM-Science, Technology, Engineering, & Mathematics	9-12	013, 014, 015, 016, 017, 018, 022, 047, 048, 049, 070, 078, 081, 125, 126, 127, 128, 129, 131, 150, 151, 157, 210, 211, 212, 213, 214, 230, 232, 233, 413, 414, 415, 416, 417, 418, 422, 448, 449, 470, 477, 519, 531, 595, 596, 700, 740, 760	Teachers who have never taught this course MUST attend the training provided by Department of Education (note: this training is GIS specific and is different from STEM New Teacher Training) OR successfully complete Esri Technical certification.	

782	Inventions and Innovations (EBD)	STEM-Science, Technology, Engineering, & Mathematics	7	001, 007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 121, 122, 123, 124, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 470, 477, 480, 481, 482, 483	Teachers who have never taught this course MUST attend the training provided by Department of Education.	This course has an associated fee through the vendor
889	Magic of Electrons (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	8	001, 007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 121, 122, 123, 124, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 470, 477, 480, 481, 482, 483	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor

890	Medical Detectives (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	8	001, 007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 121, 122, 123, 124, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 470, 477, 480, 481, 482, 483	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor
6052	Principles of Engineering (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	9-12	007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 460, 461, 470, 477, 480, 481, 482, 483, OR Occupational licensed instructor who holds a bachelor's degree	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor
5924	Principles of Engineering and Technology	STEM-Science, Technology, Engineering, & Mathematics	9-12	013, 014, 015, 016, 017, 018, 047, 070, 078, 081, 125, 126, 127, 128, 129, 157, 210, 211, 212, 213, 214, 230, 232, 233, 413, 414, 415, 416, 417, 418, 470, 477, 519, 531, 595, 596, 700, 740, 760	Teachers who have never taught this course MUST attend the training provided by Department of Education.	
6143	Robotics & Automated Systems	STEM-Science, Technology, Engineering, & Mathematics	9-12	013, 014, 015, 016, 017, 018, 047, 070, 078, 081, 125, 126, 127, 128, 129, 157, 210, 211, 212, 213, 214, 230, 232, 233, 413, 414, 415, 416, 417, 418, 470, 477, 519, 531, 535, 537, 582, 595, 596, 700, 740, 760	Teachers who have never taught this course MUST attend the training provided by Department of Education.	

891	Science and Technology (PLTW)	STEM-Science, Technology, Engineering, & Mathematics	8	001, 007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 121, 122, 123, 124, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 470, 477, 480, 481, 482, 483	Teachers who have never taught this course MUST attend the training provided by PLTW and receive certification.	PLTW Certification. This course has an associated fee through the vendor
5930	Special Course - Science, Technology, Engineering, and Mathematics	STEM-Science, Technology, Engineering, & Mathematics	9-12	013, 014, 015, 016, 017, 018, 047, 070, 078, 081, 125, 126, 127, 128, 129, 157, 210, 211, 212, 213, 214, 413, 414, 415, 416, 417, 418, 230, 232, 233, 470, 477, 700, 740, 760, OR Occupational licensed instructor who holds a bachelor's degree		Prior approval of special courses by the Division of Career and Technical Education is required.
849	STEM Designers	STEM-Science, Technology, Engineering, & Mathematics	8	001, 013, 014, 015, 016, 017, 018, 047, 070, 078, 081, 101, 121, 122, 123, 124, 125, 126, 127, 128, 129, 157, 210, 211, 212, 213, 214, 230, 232, 233, 400, 401, 402, 413, 414, 415, 416, 417, 418, 440, 470, 477, 499xxx001, 007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 121, 122, 123, 124, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 470, 477, 480, 481, 482, 483	Teachers who have never taught this course MUST attend the training provided by Department of Education.	

649	STEM Explorers	STEM-Science, Technology, Engineering, & Mathematics	6	001, 013, 014, 015, 016, 017, 018, 047, 070, 078, 081, 101, 121, 122, 123, 124, 125, 126, 127, 128, 129, 157, 210, 211, 212, 213, 214, 230, 232, 233, 400, 401, 402, 413, 414, 415, 416, 417, 418, 440, 470, 477, 499xxx001, 007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 121, 122, 123, 124, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 470, 477, 480, 481, 482, 483, 499	Teachers who have never taught this course MUST attend the training provided by Department of Education.	
6144	STEM I: Foundation	STEM-Science, Technology, Engineering, & Mathematics	9-12	013, 014, 015, 016, 017, 018, 047, 070, 078, 081, 125, 126, 127, 128, 129, 157, 210, 211, 212, 213, 214, 230, 232, 233, 413, 414, 415, 416, 417, 418, 470, 477, 519, 531, 595, 596, 700, 740, 760	Teachers who have never taught this course MUST attend the training provided by Department of Education.	
6145	STEM II: Applications	STEM-Science, Technology, Engineering, & Mathematics	9-12	013, 014, 015, 016, 017, 018, 047, 070, 078, 081, 125, 126, 127, 128, 129, 157, 210, 211, 212, 213, 214, 230, 232, 233, 413, 414, 415, 416, 417, 418, 470, 477, 519, 531, 595, 596, 700, 740, 760	Teachers who have never taught this course MUST attend the training provided by Department of Education.	
6146	STEM III: STEM in Context	STEM-Science, Technology, Engineering, & Mathematics	9-12	013, 014, 015, 016, 017, 018, 047, 070, 078, 081, 125, 126, 127, 128, 129, 157, 210, 211, 212, 213, 214, 230, 232, 233, 413, 414, 415, 416, 417, 418, 470, 477, 519, 531, 595, 596, 700, 740, 760	Teachers who have never taught this course MUST attend the training provided by Department of Education.	

749	STEM Innovators	STEM-Science, Technology, Engineering, & Mathematics	7	001, 013, 014, 015, 016, 017, 018, 047, 070, 078, 081, 101, 121, 122, 123, 124, 125, 126, 127, 128, 129, 157, 210, 211, 212, 213, 214, 230, 232, 233, 400, 401, 402, 413, 414, 415, 416, 417, 418, 440, 470, 477, 499xxx001, 007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 121, 122, 123, 124, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 470, 477, 480, 481, 482, 483, 499	Teachers who have never taught this course MUST attend the training provided by Department of Education.	
6147	STEM IV: Practicum	STEM-Science, Technology, Engineering, & Mathematics	9-12	013, 014, 015, 016, 017, 018, 047, 070, 078, 081, 125, 126, 127, 128, 129, 157, 210, 211, 212, 213, 214, 230, 232, 233, 413, 414, 415, 416, 417, 418, 470, 477, 519, 531, 595, 596, 700, 740, 760	Teachers who have never taught this course MUST attend the training provided by Department of Education.	
5885	Technological Design (EBD)	STEM-Science, Technology, Engineering, & Mathematics	9-12	007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 460, 461, 470, 477, 480, 481, 482, 483, OR Occupational licensed instructor who holds a bachelor's degree	Teachers who have never taught this course MUST attend the training provided by Department of Education.	This course has an associated fee through the vendor

882	Technological Systems (EBD)	STEM-Science, Technology, Engineering, & Mathematics	8	001, 007, 013, 014, 015, 016, 017, 018, (042 and 043), (042 and 044), (042 and 045), (042 and 046), (042 and 047), (042 and 077), (042 and 078), (042 and 079), (043 and 044), (043 and 045), (043 and 046), (043 and 047), (043 and 077), (043 and 078), (043 and 079), (044 and 045), (044 and 046), (044 and 047), (044 and 077), (044 and 078), (044 and 079), (045 and 046), (045 and 047), (045 and 077), (045 and 078), (045 and 079), (046 and 047), (046 and 077), (046 and 078), (046 and 079), (047 and 077), (047 and 078), (047 and 079), (077 and 078), (077 and 079), (078 and 079), 070, 081, 105, 121, 122, 123, 124, 125, 126, 127, 128, 129, 144, 145, 147, 157, 210, 211, 212, 213, 214, 230, 231, 232, 233, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 470, 477, 480, 481, 482, 483	Teachers who have never taught this course MUST attend the training provided by Department of Education.	This course has an associated fee through the vendor
6025	2-4 Cycle Engines I	Tran-Transportation, Distribution & Logistics	9-12	506, 508, 512, 568, 579, 581, 770, 772, 773, 775		Equipment & Engine Training Council (EETC) Certification 2015-16
6026	2-4 Cycle Engines II	Tran-Transportation, Distribution & Logistics	9-12	506, 508, 512, 568, 579, 581, 770, 772, 773, 775		Equipment & Engine Training Council (EETC) Certification 2015-16
6027	2-4 Cycle Engines III	Tran-Transportation, Distribution & Logistics	9-12	506, 508, 512, 568, 579, 581, 770, 772, 773, 775		Equipment & Engine Training Council (EETC) Certification 2015-16
6070	Aviation I: Principles of Flight	Tran-Transportation, Distribution & Logistics	9-12	594, 774		FAA Industry Certification
6148	Aviation II: Advanced Flight	Tran-Transportation, Distribution & Logistics	9-12	594, 774		FAA Industry Certification
6060	Aviation Maintenance I	Tran-Transportation, Distribution & Logistics	9-12	512, 579, 773		FAA Industry Certification
6061	Aviation Maintenance II	Tran-Transportation, Distribution & Logistics	9-12	512, 579, 773		FAA Industry Certification
6149	Collision Repair: Estimating and Customer Service	Tran-Transportation, Distribution & Logistics	9-12	507, 771		ASE B-3 Industry Certification

6062	Collision Repair: Non-Structural	Tran-Transportation, Distribution & Logistics	9-12	507, 771		ASE B-3 or I-CAR Industry Certification
6063	Collision Repair: Painting & Refinishing	Tran-Transportation, Distribution & Logistics	9-12	507, 771		ASE B-2 or I-CAR Industry Certification
6064	Collision Repair: Structural	Tran-Transportation, Distribution & Logistics	9-12	507, 771		ASE B-4 or I-CAR Industry Certification
6065	Diesel: Electrical/Electronics	Tran-Transportation, Distribution & Logistics	9-12	581, 772		ASE T-6 Industry Certification
6066	Diesel: Engine	Tran-Transportation, Distribution & Logistics	9-12	581, 772		ASE T-2 Industry Certification
6067	Diesel: Preventive Maintenance Inspection	Tran-Transportation, Distribution & Logistics	9-12	581, 772		ASE T-8 Industry Certification
6072	Distribution & Logistics I	Tran-Transportation, Distribution & Logistics	9-12	503, 776		
6024	Distribution & Logistics II: Management	Tran-Transportation, Distribution & Logistics	9-12	503, 776		
6069	Foundations of Transportation, Distribution, and Logistics	Tran-Transportation, Distribution & Logistics	9-12	503, 776		
6068	Introduction to Aerospace	Tran-Transportation, Distribution & Logistics	9-12	512, 579, 594, 773, 774		FAA Industry Certification
6172	Introduction to Collision Repair	Tran-Transportation, Distribution & Logistics	9-12	507, 771		ASE B-2 or B-3 or ASE B-4 or I-CAR Industry Certification
5879	Maintenance & Light Repair I	Tran-Transportation, Distribution & Logistics	9-12	506, 508, 770		ASE A-4, ASE A-5, ASE A-6, and ASE A-8 or G1 Industry Certification 2016-17
5880	Maintenance & Light Repair II	Tran-Transportation, Distribution & Logistics	9-12	506, 508, 770		ASE A-4, ASE A-5, ASE A-6, and ASE A-8, or G1 Industry Certification 2016-17
5881	Maintenance & Light Repair III	Tran-Transportation, Distribution & Logistics	9-12	506, 508, 770		ASE A-4, ASE A-5, ASE A-6, and ASE A-8, or G1 Industry Certification 2016-17

5882	Maintenance & Light Repair IV	Tran-Transportation, Distribution & Logistics	9-12	506, 508, 770		ASE A-4, ASE A-5, ASE A-6, and ASE A-8 or G1 Industry Certification 2016-17
6023	Special Course - Transportation, Distribution, & Logistics	Tran-Transportation, Distribution & Logistics	9-12	503, 506, 507, 508, 512, 568, 579, 581, 594, 770, 771, 772, 773, 774, 775, 776		Industry certification where required. Prior approval of special courses by the Division of Career and Technical Education is required.
6071	Transportation Core	Tran-Transportation, Distribution & Logistics	9-12	506, 507, 508, 512, 568, 581, 770, 771, 722, 773, 775		
6104	Success Skills through Service Learning	WBL-Work-Based Learning	9-12	Any Secondary endorsement	Teachers of any course in compliance with the standards of Success Skills through Service Learning must have completed the state approved training or the state approved course equivalent.	

6105	Work-Based Learning: Career Practicum	WBL-Work-Based Learning	9-12	<p>007, 008, 021, 022, 023, 024, 025, 030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 040, 041, 042, 043, 044, 045, 046, 047, 048, 049, 050, 051, 052, 053, 054, 055, 056, 057, 058, 059, 060, 061, 062, 070, 077, 078, 079, 080, 130, 131, 132, 133, 143, 144, 145, 146, 147, 150, 151, 152, 153, 154, 155, 156, 157, 158, 102, 103, 105, 201, 202, 203, 204, 230, 231, 232, 233, 250, 301, 310, 311, 407, 408, 421, 422, 423, 424, 425, 426, 430, 431, 432, 433, 434, 435, 436, 448, 449, 450, 451, 452, 453, 458, 460, 461, 462, 463, 464, 466, 470, 471, 472, 474, 475, 476, 477, 487, 496, 498, 503, 507, 508, 512, 522, 523, 524, 527, 531, 543, 560, 561, 562, 568, 576, 577, 581, 584, 590, 594, 595, 596, 597, 598, 700, 701, 702, 703, 705, 706, 707, 710, 711, 720, 721, 722, 730, 740, 742, 750, 751, 760, 770, 771, 772, 773, 774, 775, 776, 780, 781</p>	<p>Teachers who supervise this experience must hold proper endorsement and have completed the state approved training or the state approved course equivalent. This code may be used to schedule a supervision period for teachers, in addition to awarding credit for students meeting expectations for work-based learning instruction. Teachers teaching WBL: Career Practicum in relation to the following course codes MUST attend an additional 4 Hour Department of Education training for Federal and State Regulations: All POSs in the Health Science Career Cluster, Dietetics & Nutrition POS, Health Services Administration POS, Fire Management Services POS (Questions about this stipulation can be sent to Amy.F.Howell@tn.gov)</p>	
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