

CAREER AND TECHNICAL EDUCATION 9-12

BT -- BUSINESS TECHNOLOGY EDUCATION	<u>Abbreviation/Code</u>		<u>CTE</u>	<u>Endorsement/Employment Standards</u>
<i>eBusiness Communication</i>	<i>eBus</i>	<i>3704</i>	<i>BT</i>	<i>031, 032, 034, 037, 041, 055, 056, 057, 201, 203, 204, 311, 430, 432, 433, 434, 435, 436, 474, 475, 476</i>
<i>Business Management</i>	<i>Bus Mgt</i>	<i>3707</i>	<i>BT</i>	<i>039, 056, 057, 201, 202, 204, 311, 430, 433, 435, 436, 474, 475, 476</i>
<i>Keyboarding</i>	<i>Keybd</i>	<i>3710</i>	<i>BT</i>	<i>031, 032, 037, 041, 055, 056, 057, 203, 204, 311, 432, 433, 434, 435, 436, 474, 475, 476</i>
<i>Keyboarding/Document Layout and Design</i>	<i>KeyDoc Design</i>	<i>3727</i>	<i>BT</i>	<i>031, 032, 037, 041, 055, 056, 057, 203, 204, 311, 432, 433, 434, 435, 436, 474, 475, 476</i>
<i>Spreadsheet Applications</i>	<i>Spr Sheet App</i>	<i>3729</i>	<i>BT</i>	<i>030, 033, 037, 041, 054, 055, 056, 057, 201, 203, 204, 311, 430, 432, 434, 435, 436, 474, 475, 476</i>
<i>Integrated Input Technologies</i>	<i>Int Input Tech</i>	<i>3730</i>	<i>BT</i>	<i>037, 041, 055, 056, 057, 203, 204, 311, 434, 435, 436, 474, 475, 476</i>
<i>Database Design/Management</i>	<i>Data Mgt</i>	<i>3735</i>	<i>BT</i>	<i>030, 037, 041, 054, 055, 056, 057, 201, 203, 204, 311, 430, 432, 434, 435, 436, 474, 475, 476</i>
<i>Administrative Management</i>	<i>Adm Mgt</i>	<i>3737</i>	<i>BT</i>	<i>037, 041, 054, 055, 056, 057, 203, 204, 311, 434, 435, 436, 474, 475, 476</i>
<i>Desktop Publishing</i>	<i>DT Pbl</i>	<i>3741</i>	<i>BT</i>	<i>037, 041, 055, 056, 057, 203, 204, 311, 434, 435, 436, 474, 475, 476</i>
<i>Interactive Multimedia Presentation</i>	<i>Int Mul Pres</i>	<i>3746</i>	<i>BT</i>	<i>031, 032, 037, 041, 055, 056, 057, 203, 204, 311, 431, 432, 433, 434, 435, 436, 474, 475, 476</i>
<i><u>HQ - International Business/Marketing</u> (1)</i>	<i>Int Bus Mkt</i>	<i>3750</i>	<i>BT</i>	<i>039, 052, 054, 056, 057, 201, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476</i>
<i>(1) International Business/Marketing satisfies one-half credit in Economics</i>				
<i>International Business/Marketing</i>	<i>Int Bus Mkt</i>	<i>3754</i>	<i>BT</i>	<i>039, 052, 054, 056, 057, 201, 202, 204, 311, 430, 435, 436, 471, 472, 474, 475, 476</i>
<i>Keyboarding/Document Formatting</i>	<i>KeyDocForm</i>	<i>3775</i>	<i>BT</i>	<i>031, 032, 037, 041, 055, 056, 057, 203, 204, 311, 432, 433, 434, 435, 436, 474, 475, 476</i>
<i>Networking Essentials</i>	<i>Net Ess</i>	<i>3778</i>	<i>BT</i>	<i>037, 041, 055, 056, 057, 203, 204, 311, 434, 435, 436, 475</i>
<i>Computer Operating Systems and Hardware</i>	<i>CompOper</i>	<i>3763</i>	<i>BT</i>	<i>037, 041, 055, 056, 057, 203, 204, 311, 434, 435, 436, 475 and CompTIA's A+, or NetPlus or CIW Associate Foundations or CISCO Certification</i>
<i>Information Technology Foundations</i>	<i>InfoTechFou</i>	<i>3764</i>	<i>BT</i>	<i>037, 041, 055, 056, 057, 203, 204, 311, 434, 435, 436, 475 and CompTIA's A+, or CISCO Certification</i>
<i>Accounting I</i>	<i>Acct I</i>	<i>3779</i>	<i>BT</i>	<i>030, 054, 055, 201, 203, 311, 430, 434, 435, 436, 474, 475, 476</i>
<i>Accounting II</i>	<i>Acct II</i>	<i>3780</i>	<i>BT</i>	<i>030, 054, 055, 201, 203, 311, 430, 434, 435, 436, 474, 475, 476</i>
<i>Career Connections</i>	<i>Car Con</i>	<i>3716</i>	<i>BT</i>	<i>031, 034, 037, 041, 054, 055, 056, 057, 201, 203, 204, 311, 430, 432, 434, 435, 436, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 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, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000</i>

CTE -- Career and Technical Education Program Classification

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BT -- BUSINESS TECHNOLOGY EDUCATION	Abbreviation/Code	CTE	Endorsement/Employment Standards	
Financial Planning	Fin Plan	3717	BT	030, 033, 039, 054, 201, 204, 311, 430, 435, 436, 474, 475, 476
Computer Applications	Comp App	3718	BT	037, 039, 041, 055, 057, 202, 203, 204, 311, 430, 431, 432, 434, 435, 436, 474, 475, 477, 476
HQ- American Business/Legal Systems (2) <i>(2) Satisfies one-half credit in Government</i>	BusLegSyst	3719	BT	035, 054, 202, 204, 311, 430, 435, 436, 474, 475, 476
American Business/Legal Systems	Amer Legal	3726	BT	035, 054, 202, 204, 311, 430, 435, 436, 474, 475, 476
HQ- Business Economics (3) <i>(3) Satisfies one-half credit in Economics</i>	Bus Econ	3755	BT	039, 054, 201, 204, 311, 430, 435, 436, 474, 475, 476
Business Economics	Bus Econ	3765	BT	039, 054, 201, 204, 311, 430, 435, 436, 474, 475, 476
Banking and Finance	Bank Fin	3756	BT	030, 033, 039, 054, 201, 204, 311, 430, 435, 436, 474, 475, 476
Virtual Enterprise International (4)	Vir Ent Int	3757	BT	037, 039, 041, 052, 055, 056, 057, 201, 202, 203, 204, 311, 430, 434, 435, 436, 471, 472, 474, 475, 476
<i>(4) Satisfies one half credit in Economics. 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 consultant as well as requisite training before offering this course.</i>				
HQ – Virtual Enterprise International (5)	Vir Ent Int	3762	BT	037, 039, 041, 052, 055, 056, 057, 201, 202, 203, 204, 311, 430, 434, 435, 436, 471, 472, 474, 475, 476
<i>(5) Satisfies one-half credit in Economics. 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 consultant as well as requisite training before offering this course.</i>				
Web Design Essentials	Web Des Ess	3768	BT	037, 041, 055, 056, 057, 203, 204, 311, 434, 435, 436, 475, 476
Web Design Applications	Web Des App	3769	BT	037, 041, 055, 056, 057, 203, 204, 311, 434, 435, 436, 475, 476
Website – Foundations	Web Found	3758	BT	037, 041, 055, 056, 057, 203, 204, 311, 434, 435, 436, 475, 070, 230, 470, 476 and CIW Associates Foundations Certification
Webpage Design – Site Designer	Web Site Des	3759	BT	037, 041, 055, 056, 057, 203, 204, 311, 434, 435, 436, 475, 070, 230, 470, 476 and CIW Site Designer Certification
Webpage Design –eCommerce	Web Des eCom	3760	BT	037, 041, 055, 056, 057, 203, 204, 311, 434, 435, 436, 475, 070, 230, 470, 476 and CIW eCommerce Designer Certification
JAVA	Java Pro	3761	BT	037, 041, 055, 056, 057, 203, 204, 311, 434, 435, 436, 475, 476
Work Based Learning/Supervision Period (6)	WB	3798	BT	Any Business Technology Endorsement
<i>(6) The credit for Work Based Learning is awarded in the appropriate related Career and Technical course in which the student is enrolled. Teachers who supervise this experience must hold proper endorsement and have completed the state-approved 40-hour training and internship or the state-approved course equivalent.</i>				
Special Course Business Technology Education	Spec Cr	(7)	BT	Any Business Technology Endorsement
<i>(7) Prior approval of special courses by the Division of Career and Technical Education is required.</i>				
Personal Finance (6)	Per Fin	3766	BT	030, 032, 033, 034, 035, 036, 037, 038, 039, 041, 054, 055, 056, 057, 201, 202, 203, 204, 311, 430, 431, 432, 433, 434, 435, 436, 474, 475, 476
<i>(6) This course meets the required one-half credit for graduation.</i>				

TEE -- TECHNOLOGY ENGINEERING EDUCATION Abbreviation/Code CTE Endorsement/Employment Standards

<i>Foundations of Technology (1)</i>	<i>FOT</i>	<i>3835</i>	<i>TEE</i>	Any TEE endorsement OR 001, 007, 013, 014, 015, 016, 017,081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480 OR Any T & I teacher who holds a Bachelor's degree. <i>All instructors must attend the Required Training. See notes below.</i>
<p><i>(1) Instructors having the following endorsements must complete the state-approved, five-day pedagogy training and the one-day safety training prior to teaching this course. Endorsements required are: Any TEE endorsement OR 001, 007, 013, 014, 015, 016, 017,081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, and 480. Instructors are required to attend training only one time.</i></p> <p><i>* Trade and Industrial Education instructors who hold a Bachelor's degree and a professional occupational license (have already completed the 18 semester hours for certification) must complete the state-approved, five-day training prior to teaching this course, must pass the Praxis Specialty in Technology Education (0051) Examination with a minimum score of 580 prior to entering the classroom, and must pass the Praxis in Teaching and Learning prior to entering the classroom to teach this course.</i></p> <p><i>**Trade and Industrial Education instructors who hold a Bachelor's degree and a apprenticeship occupational license (are in the process of completing the 18 semester hours for certification) must complete the state-approved, five-day training prior to teaching this course, must complete the application for Transitional License and must pass the Praxis Specialty in Technology Education (0051) Examination with a minimum score of 580 prior to completing their 18 hours, and must pass the Praxis in Teaching and Learning prior to completing their 18 hours to teach this course.</i></p>				

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<p><i>Technological Issues (1)</i></p> <p>(1) <i>Instructors having the following endorsements must complete the state-approved, five-day pedagogy training and the one-day safety training prior to teaching this course. Endorsements required are: Any TEE endorsement OR 001, 007, 013, 014, 015, 016, 017, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, and 480. Instructors are required to attend training only one time.</i></p> <p><i>* Trade and Industrial Education instructors who hold a Bachelor's degree and a professional occupational license (have already completed the 18 semester hours for certification) must complete the state-approved, five-day training prior to teaching this course, must pass the Praxis Specialty in Technology Education (0051) Examination with a minimum score of 580 prior to entering the classroom, and must pass the Praxis in Teaching and Learning prior to entering the classroom to teach this course.</i></p> <p><i>**Trade and Industrial Education instructors who hold a Bachelor's degree and an apprenticeship occupational license (are in the process of completing the 18 semester hours for certification) must complete the state-approved, five-day training prior to teaching this course, must complete the application for Transitional License and must pass the Praxis Specialty in Technology Education (0051) Examination with a minimum score of 580 prior to completing their 18 hours, and must pass the Praxis in Teaching and Learning prior to completing their 18 hours to teach this course.</i></p>	<p><i>Tech Iss</i></p>	<p><i>3836</i></p>	<p><i>TEE</i></p>	<p>Any TEE endorsement OR 001, 007, 013, 014, 015, 016, 017, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480 OR Any T & I teacher who holds a Bachelor's degree. <i>All instructors must attend the Required Training. See notes below.</i></p>
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<i>Advanced Technological Applications (1)</i>	ATA	3837	TEE	Any TEE endorsement OR 001, 007, 013, 014, 015, 016, 017,081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480 OR Any T & I teacher who holds a Bachelor's degree. <i>All instructors must attend the Required Training. See notes below.</i>
<p>(1) <i>Instructors having the following endorsements must complete the state-approved, five-day pedagogy training and the one-day safety training prior to teaching this course. Endorsements required are: OR 001, 007, 013, 014, 015, 016, 017,081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, and 480. Instructors are required to attend training only one time.</i></p> <p><i>* Trade and Industrial Education instructors who hold a Bachelor's degree and a professional occupational license (have already completed the 18 semester hours for certification) must complete the state-approved, five-day training prior to teaching this course, must pass the Praxis Specialty in Technology Education (0051) Examination with a minimum score of 580 prior to entering the classroom, and must pass the Praxis in Teaching and Learning prior to entering the classroom to teach this course.</i></p> <p><i>**Trade and Industrial Education instructors who hold a Bachelor's degree and an apprenticeship occupational license (are in the process of completing the 18 semester hours for certification) must complete the state-approved, five-day training prior to teaching this course, must complete the application for Transitional License and must pass the Praxis Specialty in Technology Education (0051) Examination with a minimum score of 580 prior to completing their 18 hours, and must pass the Praxis in Teaching and Learning prior to completing their 18 hours to teach this course.</i></p>				

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<i>Advanced Design Applications (1)</i>	ADA	3838	TEE	Any TEE endorsement OR 001, 007, 013, 014, 015, 016, 017, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480 OR Any T & I teacher who holds a Bachelor's degree. <i>All instructors must attend the Required Training. See notes below.</i>
<p>(1) <i>Instructors having the following endorsements must complete the state-approved, five-day pedagogy training and the one-day safety training prior to teaching this course. Endorsements required are: Any TEE endorsement OR 001, 007, 013, 014, 015, 016, 017, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, and 480. Instructors are required to attend training only one time.</i></p> <p><i>* Trade and Industrial Education instructors who hold a Bachelor's degree and a professional occupational license (have already completed the 18 semester hours for certification) must complete the state-approved, five-day training prior to teaching this course, must pass the Praxis Specialty in Technology Education (0051) Examination with a minimum score of 580 prior to entering the classroom, and must pass the Praxis in Teaching and Learning prior to entering the classroom to teach this course.</i></p> <p><i>**Trade and Industrial Education instructors who hold a Bachelor's degree and an apprenticeship occupational license (are in the process of completing the 18 semester hours for certification) must complete the state-approved, five-day training prior to teaching this course, must complete the application for Transitional License and must pass the Praxis Specialty in Technology Education (0051) Examination with a minimum score of 580 prior to completing their 18 hours, and must pass the Praxis in Teaching and Learning prior to completing their 18 hours to teach this course.</i></p>				

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Engineering Design (1)	Eng Des	3839	TEE	Any TEE endorsement OR 001, 007, 013, 014, 015, 016, 017, 081, 105, 210, 211, 212, 213, 214 407, 413, 414, 415, 416, 417, 418, 460, 461, and 480 OR Any T & I teacher who holds a Bachelor's degree. All instructors must attend the Required Training. See notes below.
<p>(1) <i>Instructors having the following endorsements must complete the state-approved, five-day pedagogy training and the one-day safety training prior to teaching this course. Endorsements required are: Any TEE endorsement OR 001, 007, 013, 014, 015, 016, 017, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, and 480. Instructors are required to attend training only one time.</i></p> <p><i>* Trade and Industrial Education instructors who hold a Bachelor's degree and a professional occupational license (have already completed the 18 semester hours for certification) must complete the state-approved, five-day training prior to teaching this course, must pass the Praxis Specialty in Technology Education (0051) Examination with a minimum score of 580 prior to entering the classroom, and must pass the Praxis in Teaching and Learning prior to entering the classroom to teach this course.</i></p> <p><i>**Trade and Industrial Education instructors who hold a Bachelor's degree and an apprenticeship occupational license (are in the process of completing the 18 semester hours for certification) must complete the state-approved, five-day training prior to teaching this course, must complete the application for Transitional License and must pass the Praxis Specialty in Technology Education (0051) Examination with a minimum score of 580 prior to completing their 18 hours, and must pass the Praxis in Teaching and Learning prior to completing their 18 hours to teach this course.</i></p>				

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<i>Problems and Solutions in Technology (1)</i>	<i>PST</i>	<i>3813</i>	<i>TEE</i>	Any TEE endorsement OR 001, 007, 013, 014, 015, 016, 017, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, and 480 OR Any T & I teacher who holds a Bachelor's degree. <i>All instructors must attend the Required Training. See notes below.</i>
<p>(1) <i>Instructors having the following endorsements must complete the state-approved, five-day pedagogy training and the one-day safety training prior to teaching this course. Endorsements required are: Any TEE endorsement OR 001, 007, 013, 014, 015, 016, 017, 018, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, and 480. Instructors are required to attend training only one time.</i></p>				
<p><i>*Trade and Industrial Education instructors who hold a Bachelor's degree and a professional occupational license (have already completed the 18 semester hour for certification) must complete the state-approved, five-day training prior to teaching this course, must pass the Praxis Specialty in Technology Education (0051) Examination with a minimum score of 580 prior to entering the classroom, and must pass the Praxis in Teaching and Learning prior to entering the classroom to teach this course.</i></p>				
<p><i>** Trade and Industrial Education instructors who hold a Bachelor's degree and an apprenticeship occupational license (are in the process of completing the 18 semester hours for certification) must complete the state-approved, five-day training prior to teaching this course, must complete the application for Transitional License and must pass the Praxis Specialty in Technology Education (0051) Examination with a minimum score of 580 prior to completing their 18 hours, and must pass the Praxis in Teaching and Learning prior to completing their 18 hours to teach this course.</i></p>				

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<i>Visual Communications</i>	<i>Vis Com</i>	<i>3814</i>	<i>TEE</i>	<i>any TEE endorsement</i>
<i>Website Foundations</i>	<i>Web Found</i>	<i>3815</i>	<i>TEE</i>	<i>any TEE endorsement and Industry Certification</i>
<i>Website Foundations Site Designer</i>	<i>Website Des</i>	<i>3816</i>	<i>TEE</i>	<i>any TEE endorsement and Industry Certification</i>
<i>Website Foundations eCommerce</i>	<i>Web Des eCom</i>	<i>3817</i>	<i>TEE</i>	<i>any TEE endorsement and Industry Certification</i>
<i>Principles of Manufacturing</i>	<i>Prin Manuf</i>	<i>3818</i>	<i>TEE</i>	<i>any TEE endorsement</i>
<i>*Principles of Machining and Manufacturing</i>	<i>Prin Mac Manu</i>	<i>3819</i>	<i>TEE</i>	<i>any TEE endorsement</i>
<i>*Principles of Engineering</i>	<i>Prin Eng</i>	<i>3820</i>	<i>TEE</i>	<i>any TEE endorsement</i>
<i>*Digital Electronics</i>	<i>Dig Elect</i>	<i>3821</i>	<i>TEE</i>	<i>any TEE endorsement</i>
<i>*Manufacturing Applications</i>	<i>Manuf App</i>	<i>3822</i>	<i>TEE</i>	<i>any TEE endorsement</i>
<i>**Computer Aided Drafting</i>	<i>Eng Des</i>	<i>3823</i>	<i>TEE</i>	<i>any TEE endorsement plus American Design and Drafting Association (ADDA) certification.</i>
<i>*Advanced Computer-Aided Drafting</i>	<i>Comp Des</i>	<i>3824</i>	<i>TEE</i>	<i>any TEE endorsement plus American Design and Drafting Association (ADDA) certification.</i>
<i>**Special Course – Manufacturing Cluster</i>	<i>Sp Crs (4)</i>	<i>3825</i>	<i>TEE</i>	<i>any TEE endorsement plus American Design and Drafting Association (ADDA) certification.</i>
<i>** Special Course – Arts and Communication Cluster</i>	<i>Sp Crs (5)</i>	<i>3826</i>	<i>TEE</i>	<i>any TEE endorsement plus American Design and Drafting Association (ADDA) certification.</i>

Instructors who teach these courses must hold proper endorsement and have completed the state-approved, five-day training for the class and the one day safety training prior to teaching the course.

CTE -- Career and Technical Education Program Classification

Courses in ***bold italic print within a double lined box*** are Career and Technical Education funded courses.

TEE -- TECHNOLOGY ENGINEERING EDUCATION Abbreviation/Code CTE Endorsement/Employment Standards

Work Based Learning/Supervision Periods (1)	WBL	3898	TEE	Any TEE endorsement OR 001, 007, 013, 014, 015, 016, 017, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480 OR Any T & I teacher who holds a Bachelor's degree. See notes below.
<p>(1) <i>The credit for Work Based Learning is awarded in the appropriate related career and technical course in which the student is enrolled. Teachers who supervise this experience must hold proper endorsement <u>and</u> have completed the state-approved 40-hour training and internship or the state-approved course equivalent.</i></p> <p><i>Prior approval of special courses by the Division of Career and Technical Education is required.</i></p>				

Special Course - Tech Ed (1) and (2)	Spec Crs	(2)	TEE	Any TEE endorsement OR 001, 007, 013, 014, 015, 016, 017, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480 OR Any T & I teacher who holds a Bachelor's degree. See notes below.
<ul style="list-style-type: none"> • <i>Instructors having the following endorsements must complete the state-approved, five-day pedagogy training and the one-day safety training prior to teaching this course. Endorsements required are: Any TEE endorsement OR 001, 007, 013, 014, 015, 016, 017,081, 105, 210, 211, 212, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, and 480. Instructors are required to attend training only one time.</i> • <i>Prior approval of special courses by the Division of Career and Technical Education is required.</i> 				

CTE -- Career and Technical Education Program Classification

Courses in ***bold italic print within a double lined box*** are Career and Technical Education funded courses.

A12 -- AGRICULTURAL EDUCATION

	<u>Abbreviation/Code</u>		<u>CTE</u>	<u>Endorsement/Employment Standards</u>
<i>Agricultural Business/Finances</i>	<i>Ag Bus/Fin</i>	<i>5150</i>	<i>A12</i>	<i>048, 448</i>
<i>Agricultural Mechanics & Maint</i>	<i>Ag Mech</i>	<i>5151</i>	<i>A12</i>	<i>048, 448</i>
<i>Agricultural Power & Equipment</i>	<i>Ag Power & Eq</i>	<i>5152</i>	<i>A12</i>	<i>048, 448</i>
<i>Agricultural Sales & Marketing</i>	<i>Ag Sales & Mkt</i>	<i>5153</i>	<i>A12</i>	<i>048, 448</i>
<i>Principles of Agriculture Sciences</i>	<i>Prin Ag Sci</i>	<i>5154</i>	<i>A12</i>	<i>048, 448</i>
<i>Advanced Principles of Agricultural Sciences</i>	<i>Adv Prin Ag Sci</i>	<i>5155</i>	<i>A12</i>	<i>048, 448</i>
<i>Aquaculture/Hydroponics</i>	<i>Aqua/Hydro</i>	<i>5159</i>	<i>A12</i>	<i>048, 448</i>
<i>Plant and Soil Science</i>	<i>Plant & Soil Sci</i>	<i>5161</i>	<i>A12</i>	<i>048, 448</i>
<i>Landscaping & Turf Management</i>	<i>Land & Turf Mgt</i>	<i>5163</i>	<i>A12</i>	<i>048, 448</i>
<i>Floral Design</i>	<i>Flor</i>	<i>5164</i>	<i>A12</i>	<i>048, 448</i>
<i>Forestry Management</i>	<i>Forestry Mgt</i>	<i>5165</i>	<i>A12</i>	<i>048, 448</i>
<i>Greenhouse Management</i>	<i>Greenhouse Mgt</i>	<i>5167</i>	<i>A12</i>	<i>048, 448</i>
<i>Horse Science</i>	<i>Horse Sci</i>	<i>5168</i>	<i>A12</i>	<i>048, 448</i>
<i>Leadership/Communications</i>	<i>Lead/Comm</i>	<i>5169</i>	<i>A12</i>	<i>048, 448</i>
<i>HQ - Agriscience (1)</i>	<i>Agrisc</i>	<i>5171</i>	<i>A12</i>	<i>(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) or (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)</i>
<i>(1) Teachers who teach this course must be properly endorsed and have attended the state-approved, five-day/40-hour training or pass a state-approved Methods/Methodology of Teaching Agriscience course that meets the requirements of the five-day/40 hour training. Agriscience satisfies one laboratory science credit in the area of life sciences required for graduation and college entrance and as a focus area and concentrator course.</i>				

CTE -- Career and Technical Education Program Classification

A12 -- AGRICULTURAL EDUCATION

Abbreviation/Code

CTE

<i>Small Animal Care</i>	<i>Anim Care</i>	<i>5172</i>	<i>A12</i>	<i>048, 448</i>
<i>Wildlife Management & Recreation</i>	<i>Wild Mgt & Rc</i>	<i>5174</i>	<i>A12</i>	<i>048, 448</i>
<i>Plant Bio-Technology</i>	<i>Plant Biotech</i>	<i>5175</i>	<i>A12</i>	<i>048, 448</i>
<i>Veterinary Science</i>	<i>Vet Sci</i>	<i>5176</i>	<i>A12</i>	<i>048, 448</i>
<i>Livestock Management</i>	<i>Live Mgt</i>	<i>5177</i>	<i>A12</i>	<i>048, 448</i>
<i>Principles of Agricultural Engineering</i>	<i>Prin Ag Eng</i>	<i>5178</i>	<i>A12</i>	<i>048, 448</i>
<i>Agricultural Economics</i>	<i>Ag Econ</i>	<i>5183</i>	<i>A12</i>	<i>048,448</i>
<i>Principles of Horticultural Sciences</i>	<i>Prin Hort Sci</i>	<i>5184</i>	<i>A12</i>	<i>048,448</i>
<i>Animal Biotechnology</i>	<i>Anim Biotech</i>	<i>5186</i>	<i>A12</i>	<i>048, 448</i>
<i>Advanced Principles of Meat Science</i>	<i>Adv Meat Sci</i>	<i>5188</i>	<i>A12</i>	<i>048, 448</i>
<i>Advanced Hydroponics</i>	<i>Adv Hydro</i>	<i>5189</i>	<i>A12</i>	<i>048, 448</i>
<i>Advanced Aquaculture Science</i>	<i>Adv Aqu Sci</i>	<i>5191</i>	<i>A12</i>	<i>048, 448</i>
<i>Supervised Agriculture Experience</i>	<i>Sup Exp</i>	<i>5181</i>	<i>A12</i>	<i>048, 448</i>
<i>Work Based Learning/Supervision Periods(1)WB Supv</i>		<i>5180</i>	<i>A12</i>	<i>048, 448</i>
<i>(1) The credit for Work Based Learning is awarded in the appropriate related Career and Technical course in which the student is enrolled. Teachers who supervise this experience must hold proper endorsement and have completed the state-approved 40-hour training and internship or the state-approved course equivalent.</i>				
<i>Special Course Agricultural Ed</i>	<i>Spec Crs</i>	<i>(2)</i>	<i>A12</i>	<i>048, 448</i>
<i>(2) Prior approval of special courses by the Division of Career and Technical Education is required.</i>				

CTE -- Career and Technical Education Program Classification

Courses in ***bold italic print within a double lined box*** are Career and Technical Education funded course

TI -- TRADE AND INDUSTRIAL

Abbreviation/CodeCTEEndorsement/Employment Standards**Transportation, Distribution, and Logistics**

Career Management Success	Career Mgt	5701	TI	Any Career and Technical endorsement
Transportation Core	Trans Core	5702	TI	506, 507, 508, 512, 568, 579, 581, 594
Aviation Maintenance I	Av Maint I	5703	TI	512, 579 and FAA Industry Certification
Aviation Maintenance II	Av Maint II	5704	TI	512, 579 and FAA Industry Certification
Leisure Craft/Small Engine Technology: Systems	LC Sm Eng	5705	TI	506, 508, 512, 568, 579, 581
Leisure Craft/Small Engine Technology: Engine Performance	LC:Sm En Perf	5706	TI	506, 508, 512, 568, 579, 581
Collision Repair: Non Structural	Coll Rep: N S	5707	TI	507 and ASE or I-CAR Industry Certification
Collision Repair: Structural	Coll Rep: S	5708	TI	507 and ASE or I-CAR Industry Certification
Collision Repair: Painting and Refinishing	Coll Rep: P R	5709	TI	507 and ASE or I-CAR Industry Certification
Automotive: Suspension and Steering	Auto: S S	5710	TI	506, 508 and ASE Industry Certification
Automotive: Engine Performance	Auto: Eng Perf	5711	TI	506, 508 and ASE Industry Certification
Automotive: Brake Systems	Auto: Brake Sys	5712	TI	506, 508 and ASE Industry Certification
Automotive: Electrical/Electronics System	Auto: Elec Sys	5713	TI	506, 508 and ASE Industry Certification
Diesel: Preventive Maintenance	Diesel: Prev Maint	5714	TI	581 and ASE Industry Certification
Diesel: Brake Systems	Diesel: Brake Sys	5715	TI	581 and ASE Industry Certification
Diesel: Suspension and Steering	Diesel: S S	5716	TI	581 and ASE Industry Certification
Diesel: Electrical/Electronics	Diesel: Elec	5717	TI	581 and ASE Industry Certification

TI -- TRADE AND INDUSTRIAL

Abbreviation/Code

CTE

Endorsement/Employment Standards

Transportation, Distribution, and Logistics

<i>Diesel: Engine</i>	<i>Diesel: Eng</i>	<i>5718</i>	<i>TI</i>	<i>581 and ASE Industry Certification</i>
<i>Introduction to Aerospace</i>	<i>Intro Aero</i>	<i>5719</i>	<i>TI</i>	<i>594 and FAA Industry Certification</i>
<i>Theory of Flight</i>	<i>Theory Flgt</i>	<i>5720</i>	<i>TI</i>	<i>594 and FAA Industry Certification</i>
<i>Special Course-Transportation Service</i>	<i>Spec Crs</i>	<i>(1)</i>	<i>TI</i>	<i>506, 507, 508, 512, 568, 579, 581, 594 and industry certification where indicated</i>

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TI -- TRADE AND INDUSTRIAL

Abbreviation/Code

CTE

Endorsement/Employment Standards

<i>Architecture and Construction</i>				
<i>Career Management Success</i>	<i>Career Mgt</i>	<i>5701</i>	<i>TI</i>	<i>Any Career and Technical endorsement</i>
<i>Construction Core</i>	<i>Const Core</i>	<i>5730</i>	<i>TI</i>	<i>501, 502, 522, 523, 524, 527, 532, 553, 554, 555, 556, 567, 575, 580, 584, 585, 592, 598 and BAT or NCCER Industry Certification</i>
<i>Carpentry I</i>	<i>Car 1</i>	<i>5731</i>	<i>TI</i>	<i>522, 575, 580, 592 and BAT or NCCER Industry Certification</i>
<i>Carpentry II</i>	<i>Car 2</i>	<i>5732</i>	<i>TI</i>	<i>522, 575, 580, 592 and BAT or NCCER Industry Certification</i>
<i>Electrical I</i>	<i>Elect 1</i>	<i>5733</i>	<i>TI</i>	<i>501, 502, 523, 532, 567, 580, 592 and BAT or NCCER Industry Certification</i>
<i>Electrical II</i>	<i>Elect 2</i>	<i>5734</i>	<i>TI</i>	<i>501, 502, 523, 532, 567, 580, 592 and BAT or NCCER Industry Certification</i>
<i>Masonry I</i>	<i>Mas 1</i>	<i>5735</i>	<i>TI</i>	<i>524 and BAT or NCCER Industry Certification</i>
<i>Masonry II</i>	<i>Mas 2</i>	<i>5736</i>	<i>TI</i>	<i>524 and BAT or NCCER Industry Certification</i>
<i>Concrete I</i>	<i>Conc 1</i>	<i>5737</i>	<i>TI</i>	<i>524 and BAT or NCCER Industry Certification</i>
<i>Concrete II</i>	<i>Conc 2</i>	<i>5738</i>	<i>TI</i>	<i>524 and BAT or NCCER Industry Certification</i>
<i>Plumbing I</i>	<i>Plumb 1</i>	<i>5739</i>	<i>TI</i>	<i>501, 502, 527, 567, 580, 592 and BAT or NCCER Industry Certification</i>
<i>Plumbing II</i>	<i>Plumb 2</i>	<i>5740</i>	<i>TI</i>	<i>501, 502, 527, 567, 580, 592 and BAT or NCCER Industry Certification</i>
<i>Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) I</i>	<i>HVAC 1</i>	<i>5741</i>	<i>TI</i>	<i>501, 502, 523, 532, 567, 592, 598 and BAT or NCCER or HVAC Excellence Industry Certification</i>
<i>Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) II</i>	<i>HVAC 2</i>	<i>5742</i>	<i>TI</i>	<i>501, 502, 523, 532, 567, 592, 598 and BAT or NCCER or HVAC Excellence Industry Certification</i>

CTE -- Career and Technical Education Program Classification

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TI -- TRADE AND INDUSTRIAL

	<u>Abbreviation/Code</u>		<u>CTE</u>	<u>Endorsement/Employment Standards</u>
<i>Architecture and Construction</i>				
<i>Basic Principles of Welding</i>	<i>BASICPrinWld</i>	<i>5786</i>	<i>TI</i>	<i>551, 552, 553, 554, 555, 556, 584 and BAT or NCCER or AWS Industry Certification OR any other T & I endorsement plus Certified Welding Educator Certification</i>
<i>Advanced Welding Applications</i>	<i>Adv Weld App</i>	<i>5787</i>	<i>TI</i>	<i>551, 552, 553, 554, 555, 556, 584 and BAT or NCCER or AWS Industry Certification OR any other T & I endorsement plus Certified Welding Educator Certification</i>
<i>Computer Aided Drafting</i>	<i>Comp Draft</i>	<i>5788</i>	<i>TI</i>	<i>070, 230, 470, 477, plus American Design and Drafting Association OR any other T & I endorsement plus ADDA certification (ADDA) Certification OR 551, 552, 553 plus ADDA certification OR 531, 554, 555, 556, 584, 585, 595, 596 plus ADDA Certification OR any other T & I endorsement plus ADDA certification</i>
<i>Advanced Computer Aided Drafting</i>	<i>Adv Com Draft</i>	<i>5789</i>	<i>TI</i>	<i>070, 230, 470 477, plus American Design and Drafting Association (ADDA) certification OR 551, 552, 553 plus ADDA certification OR 531, 554, 555, 556, 584, 585, 595, 596 plus ADDA Certification OR any other T & I endorsement plus ADDA certification</i>
<i>Special Course - Construction Technology</i>	<i>Spec Crs</i>	<i>(3)</i>	<i>TI</i>	<i>501, 502, 522, 523, 524, 527, 531, 532, 551, 552, 553, 554, 555 556, 567,575, 580, 584, 585, 592, 598 OR 595, 596, plus industry certification where indicated</i>
<i>(3) Prior approval of special courses by the Division of Career and Technical Education is required.</i>				

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TI -- TRADE AND INDUSTRIAL

Abbreviation/Code

CTE

Endorsement/Employment Standards

	<u>Abbreviation/Code</u>		<u>CTE</u>	<u>Endorsement/Employment Standards</u>
<u>Arts A/V Technology & Communication</u>				
<u>Sub Cluster Information Technology</u>				
Career Management Success	Career Mgt	5701	TI	Any Career and Technical endorsement
Information Technology Foundations	Info Tech	5755	TI	311, 435, 436, 475, 582, 595 and A+ or NetPlus or CIW or CISCO Industry Certification
Computer Operating Systems and Hardware	Comp OP Sys	5756	TI	311, 435, 436, 475 and A+ or CISCO Industry Certification 582, 595 and Industry Certification
Networking	Network	5757	TI	311, 435, 436, 475, 582, 595 and NetPlus or CISCO Industry Certification 582, 595 and Industry Certification
Cabling Technology	Cab Tech	5758	TI	475, 501, 502, 523, 532, 537, 567, 578, 582, 595
<u>Sub Cluster Visual Communications</u>				
Visual Communications	Vis Comm	5759	TI	230, 311, 435, 436, 475, 516, 519, 520, 521, 537, 538, 543, 576, 582, 583
Graphic Communications I	Gra Comm I	5760	TI	516, 519, 520, 521, 543, 576, 583
Graphic Communications II	Gra Comm II	5761	TI	543, 583
Digital Design and Imaging	Dig Des Imag	5762	TI	311, 435, 436, 475, 516, 519, 520, 521, 543, 583, Digital Technician Industry Certification ADDA
Media Concepts	Med Conc	5763	TI	576, 597
Audio Technology I	AudioTech I	5770	TI	576, 597
Audio Technology II	Audio Tech II	5771	TI	576, 597
Electronic Media Production	Elec Media Pro	5764	TI	576, 597
Electronic Media Management And Operations	ElecMedMgt	5765	TI	576, 597

CTE -- Career and Technical Education Program Classification

TI -- TRADE AND INDUSTRIAL

Abbreviation/Code

CTE

Endorsement/Employment Standards

***Arts A/V Technology & Communication
Sub Cluster Visual Communications***

Web Site I - Foundations

Web I Found

5766

TI

***311, 435, 436, 475, and CIW Associate Foundation Industry Certification
OR 516, 519, 582, 583, 595 and CIW Associate Foundation Industry Certification***

Web Page Design II - Site Designer

Web Des II

5767

TI

***311, 435, 436, 475, and CIW Site Designer Industry Certification
OR 516, 519, 582, 583, 595 and CIW Site Designer Industry***

Web Page Design III – eCommerce

Web Des III

5769

TI

311, 435, 436, 475, and CIW eCommerce Designer Industry Certification OR 501, 502, 516, 519, 520, 521, 523, 537, 538, 543, 567, 576, 578 582, 583, 595 and CIW eCommerce Designer Industry Certification

Special Course - Arts and Communication

(1)

TI

***311, 435, 436, 475 and Industry Certification Cluster
OR 501, 502, 516, 519, 520, 521, 523, 537, 538, 543, 567, 576, 578, 582, 583, 595, 597 and Industry Certification where indicated***

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CTE -- Career and Technical Education Program Classification

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TI -- TRADE AND INDUSTRIAL

	<u>Abbreviation/Code</u>		<u>CTE</u>	<u>Endorsement/Employment Standards</u>
<i>Manufacturing</i>				
<i>Career Management Success</i>	<i>Career Mgt</i>	<i>5701</i>	<i>TI</i>	<i>Any Career and Technical endorsement</i>
<i>Programming and Logic</i>	<i>Prog Logic</i>	<i>5780</i>	<i>TI</i>	<i>501, 502, 531, 537, 551, 552, 553, 554, 555, 556, 567, 575, 582, 584, 585, 595, 596, and NIMS Industry Certification</i>
<i>Principles of Manufacturing</i>	<i>Prin Manuf</i>	<i>5781</i>	<i>TI</i>	<i>531, 537, 551, 552, 553, 554, 555, 556, 575, 582, 584, 585, 596, and NIMS Industry Certification</i>
<i>Principles of Machining and Manufacturing</i>	<i>Prin Mc Manuf</i>	<i>5782</i>	<i>TI</i>	<i>531, 551, 552, 553, 554, 555, 556, 575, 584, 585, 596, and NIMS Industry Certification</i>
<i>Digital Electronics</i>	<i>Dig Elect</i>	<i>5783</i>	<i>TI</i>	<i>501,502,537,551,552,553,554,555, 556, 567, 582, 584, 585, 596, and NIMS Industry Certification</i>
<i>Principles of Engineering</i>	<i>Prin Eng</i>	<i>5784</i>	<i>TI</i>	<i>531, 551, 552, 553, 575, 582, 596</i>
<i>Manufacturing Applications</i>	<i>Manuf App</i>	<i>5785</i>	<i>TI</i>	<i>551,552,553,554,555, 556, 575, 582, 584, 585, 596, and NIMS Industry Certification</i>
<i>Basic Principles of Welding</i>	<i>Prin Weld</i>	<i>5786</i>	<i>TI</i>	<i>551, 552, 553, 554, 555, 556, 584 and BAT or NCCER or AWS Industry Certification or any T & I endorsement Plus Certified Welding Educator Certification</i>
<i>Advanced Welding Applications</i>	<i>Weld App</i>	<i>5787</i>	<i>TI</i>	<i>551, 552, 553, 554, 555, 556, 584 and BAT or NCCER or AWS Industry Certification or any T & I endorsement plus Certified Welding Educator Certification</i>
<i>Computer Aided Drafting</i>	<i>Comp Draft</i>	<i>5788</i>	<i>TI</i>	<i>070, 230, 470, plus American Design and Drafting Association (ADDA) certification or 551, 552, 553 plus ADDA certification or 531, 554, 555, 556, 584, 585 plus ADDA certification or any other T & I endorsement plus ADDA certification or 595, 596, plus ADDA certification</i>

CTE -- Career and Technical Education Program Classification

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TI -- TRADE AND INDUSTRIAL

Abbreviation/Code

CTE

Endorsement/Employment Standards

<i>Advanced Computer Aided Drafting</i>	<i>Ad Comp Draft 5789</i>	<i>TI</i>	<i>070, 230, 470 plus American Design and Drafting Association (ADDA) certification or 551, 552, 553 plus ADDA certification or 531, 554, 555, 556, 584, 585 plus ADDA certification or any other T & I endorsement plus ADDA certification or 595, 596 plus ADDA certification</i>
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CTE -- Career and Technical Education Program Classification

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TI -- TRADE AND INDUSTRIAL

	<u>Abbreviation/Code</u>		<u>CTE</u>	<u>Endorsement/Employment Standards</u>
<i>Manufacturing</i>				
<i>Principles of Engineering (PLTW)</i>	<i>POE</i>	<i>5791</i>	<i>TI</i>	<i>any T & I endorsement with successful completion of PLTW Certification</i>
<i>Digital Electronics (PLTW)</i>	<i>DE</i>	<i>5792</i>	<i>TI</i>	<i>any T & I endorsement with successful completion of PLTW Certification</i>
<i>Introduction To Engineering Design (PLTW)</i>	<i>IED</i>	<i>5793</i>	<i>TI</i>	<i>any T & I endorsement with successful completion of PLTW Certification</i>
<i>Computer Integrated Manufacturing (PLTW)</i>	<i>CIM</i>	<i>5794</i>	<i>TI</i>	<i>any T & I endorsement with successful completion of PLTW Certification</i>
<i>Civil Engineering and Architecture (PLTW)</i>	<i>CEA</i>	<i>5795</i>	<i>TI</i>	<i>any T & I endorsement with successful completion of PLTW Certification</i>
<i>Aerospace Engineering (PLTW)</i>	<i>AE</i>	<i>5796</i>	<i>TI</i>	<i>any T & I endorsement with successful completion of PLTW Certification</i>
<i>Biotechnical Engineering (PLTW)</i>	<i>BE</i>	<i>5797</i>	<i>TI</i>	<i>any T & I endorsement with successful completion of PLTW Certification</i>
<i>Engineering Design and Development (PLTW) Capstone Course</i>	<i>EDD</i>	<i>5798</i>	<i>TI</i>	<i>any T & I endorsement with successful completion of PLTW Certification</i>
<i>Special Course - Manufacturing Cluster</i>	<i>Special Crs</i>	<i>(1)</i>	<i>TI</i>	<i>070, 230, 470, plus ADDA certification or 501, 502, 531, 537 551, 552, 553, 554, 555, 556, 567, 575, 582, 584, 585, plus ADDA certification OR 595, 596, plus ADDA certification and other industry certification where indicated</i>
<i>(1) Prior approval of special courses by the Division of Career and Technical Education is required.</i>				

CTE -- Career and Technical Education Program Classification

Courses in ***bold italic print within a double lined box*** are Career and Technical Education funded courses.

TI -- TRADE AND INDUSTRIAL

Abbreviation/Code

CTE

Endorsement/Employment Standards

Law, Public Safety & Security

<i>Criminal Justice I</i>	<i>Crim Jus I</i>	<i>5330</i>	<i>TI</i>	<i>586, 590</i>
<i>Criminal Justice II</i>	<i>Crim Jus II</i>	<i>5331</i>	<i>TI</i>	<i>586, 590</i>
<i>Criminal Justice III</i>	<i>Crim Just III</i>	<i>5342</i>	<i>TI</i>	<i>586, 590</i>
<i>Criminal Justice II/III (1)</i>	<i>Crim Jus II/III</i>	<i>5343</i>	<i>TI</i>	<i>586, 590</i>

(1) Use this code for classes where students in Criminal Justice II and III are scheduled in the same class period.

Human Services

<i>Principles of Cosmetology</i>	<i>Prin of Cos</i>	<i>5338</i>	<i>TI</i>	<i>561 Tennessee Cosmetology Instructor License</i>
<i>Design Principles of Cosmetology</i>	<i>Dsgn of Cos</i>	<i>5339</i>	<i>TI</i>	<i>561 Tennessee Cosmetology Instructor License</i>
<i>Chemistry of Cosmetology</i>	<i>Chemof Cos</i>	<i>5340</i>	<i>TI</i>	<i>561 Tennessee Cosmetology Instructor License</i>
<i>Special Course - Human Services</i>	<i>Spec Crs</i>	<i>(3)</i>	<i>TI</i>	<i>586, 590, 561</i>

(1) Prior approval of special courses by the Division of Career and Technical Education is required.

Cooperative Education

<i>T & I Work Based Learning</i>				
<i>Supervision Periods (4)</i>	<i>WB Supv</i>	<i>5398</i>	<i>TI</i>	<i>104 or any Occupational Endorsement, excluding endorsement 577</i>

(2) The credit for Work-Based Learning is awarded in the appropriate related Career and Technical course in which the student is enrolled. Work-Based Learning Summary Sheets on every course must be submitted by October 15 and March 1 to State CTE WBL Coordinator.

CTE -- Career and Technical Education Program Classification

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Endorsement/Employment Standards

<i>Hospitality and Tourism</i>				
<i>Foundations of Hospitality Industry</i>	<i>Fond Hosp In</i>	<i>5380</i>	<i>TI</i>	<i>562, 563, 564, 566</i>
<i>Culinary Arts I</i>	<i>Cul Arts I</i>	<i>5381</i>	<i>TI</i>	<i>562, 563, 564, 566 and Serve-Safe, or National Registry of Food Safety Professionals or CCE Culinary Chef Educator Industry Certification</i>
<i>Culinary Arts II</i>	<i>Cul Arts II</i>	<i>5382</i>	<i>TI</i>	<i>562, 563, 564, 566 and Serve-Safe, or National Registry of Food Safety Professionals or CCE Culinary Chef Educator Industry Certification</i>
<i>Culinary Arts III</i>	<i>Cul Arts III</i>	<i>5383</i>	<i>TI</i>	<i>562, 563, 564, 566 and Serve-Safe, or National Registry of Food Safety Professionals or CCE Culinary Chef Educator Industry Certification</i>
<i>Culinary Arts II/III (1)</i>	<i>Cul Arts II/III</i>	<i>5384</i>	<i>TI</i>	<i>562, 563, 564, 566 and Serve-Safe, or National Registry of Food Safety Professionals or CCE Culinary Chef Educator Industry Certification</i>
<i>(1) Use this code for classes where students in levels II and III are scheduled in the same class period.</i>				
<i>Special Course - Hospitality and Tourism</i>	<i>Spec Crs</i>	<i>(2)</i>	<i>TI</i>	<i>562, 563, 564, 566</i>
<i>Special Course - T and I</i>	<i>Spec Crs</i>	<i>(3)</i>	<i>TI</i>	<i>Any Occupational Endorsement, excluding endorsement 577</i>
<i>(2)(3) Prior approval of special courses by the Division of Career and Technical Education is required.</i>				

<i>Jobs for Tennessee Graduates (1)</i>	<i>JTG</i>	<i>5371</i>	<i>TI</i>	<i>591, Any Career and Technical Endorsement</i>
<i>(1) Schools must be pre-approved by the Division of Career and Technical Education to offer this course.</i>				

CTE -- Career and Technical Education Program Classification

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HS -- HEALTH SCIENCE EDUCATION Abbreviation/Code CTE Endorsement/Employment Standards

TEACHERS WHO RECEIVE THE 577 ENDORSEMENT MUST HOLD A MEDICAL LICENSE ISSUED BY TENNESSEE HEALTH RELATED BOARDS AND HAVE ATTENDED STATE APPROVED TRAINING.

Support Services	SS	5500	HS	577
Clinical Internship (1)	CI	5501	HS	577
<i>(1) Teacher who supervise Clinical Internship must hold proper endorsement in Health Science Education and have completed the state approved 40-hour Work-Based Learning training. Clinical Internship Instructors are required to receive 8 hours of state-approved biennial Clinical Internship Training.</i>				
Rehabilitative Therapies	RT	5503	HS	577
Health Science Education	HS	5504	HS	577
Health Infomatics	HI	5505	HS	577
Medical Therapeutics	MT	5506	HS	577
Nursing Education (2)	NE	5507	HS	577
<i>(2) Teachers who teach this course must be properly endorsed, and per federal guidelines, be a registered nurse with two years experience and one of those years must be in a licensed long term care facility, if students are certified as nurses' aides. This course requires prior approval by the Tennessee Department of Health. If the students are certified as nurse aides they must complete at least 40 hours classroom instruction with 60 hours of clinical setting instruction. The first 24 hours MUST be in a long term care facility. The remaining hours can be in other nursing settings or in the classroom laboratory. Teachers who supervise Nursing Education must have completed the state approved 40-hour Work-Based Learning training and are required to receive 8 hours of state-approved biennial Nursing Education and 8 hours of Clinical Internship training.</i>				
HQ Health Science Anatomy and Physiology(3)Ant/Phys		5509	HS	577
<i>(3) If the Health Science teacher is Highly Qualified in Life Sciences, this course may satisfy one of the science credits required for graduation.</i>				
Health Science Anatomy and Physiology	Ant/Phys	5512	HS	577
Biomedical Application (4)	BA	5513	HS	577
<i>(4) Teachers who teach Biomedical Applications must hold proper endorsement in Health Science Education and complete 16 hours of state approved training prior to teaching Biomedical Applications. If they continue after the first year they must attend 8 hours of state-approved training the following two years as approved by the state.</i>				
Forensic Science (5)	FS	5514	HS	577
<i>(5) Teachers who teach Forensic Science must hold proper endorsement in Health Science Education and complete 16 hours of state approved training prior to teaching this course. If they continue after the first year they must attend 8 hours of state-approved training the following two years as approved by the state.</i>				
Emergency Medical Services	Em Md Serv	5510	HS	577
Diagnostic Medicine	Diag Med	5511	HS	577
Work Based Learning/Supervision Periods (5)	WB Supv	5598	HS	577
<i>(5) The credit for Work Based Learning is awarded in the appropriate related Health Science course in which the student is enrolled. Teachers who supervise this experience must hold proper endorsement <u>and</u> have completed the state-approved 40-hour training and internship or the state-approved course equivalent.</i>				
Special Course Health Science Education	Spec Crs	(6)	HS	577
<i>(6) Prior approval of special courses by the Division of Career and Technical Education is required.</i>				

CTE - Career and Technical Education Program Classification

Courses in **bold italic print within a double lined box** are Career and Technical Education funded course

FCS -- FAMILY AND CONSUMER SCIENCES EDUCATION Abbreviation/Code CTE Endorsement/Employment Standards

<i>Family & Consumer Sciences</i>	<i>Fam & Con Sc</i>	<i>5603</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>Personal, Academic and Career Excellence</i>	<i>PACE</i>	<i>5624</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>Consumer Economics</i>	<i>Cons Ec</i>	<i>5605</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>HQ - Consumer Economics (1)</i>	<i>Con Ec</i>	<i>5602</i>	<i>FCS</i>	<i>(050 and 024), (050 and 424), (051 and 024), (051 and 424), (450 and 024), (450 and 424),</i>
<i>(1) Consumer Economics satisfies one-half credit in economics required for graduation.</i>				
<i>Family and Parenting</i>	<i>Fam Par</i>	<i>5606</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>Nutrition and Foods</i>	<i>Nutr Food</i>	<i>5609</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>Child and Lifespan Development</i>	<i>Child Life</i>	<i>5625</i>	<i>FCS</i>	<i>050, 051,450</i>
<i>Interior Design</i>	<i>Int Des</i>	<i>5626</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>Personal Finance (2)</i>	<i>Per Fin</i>	<i>5613</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>(2) Personal Finance satisfies one-half credit required for graduation.</i>				
<i>Housing</i>	<i>Hous</i>	<i>5614</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>Textiles and Apparel</i>	<i>Tex App</i>	<i>5619</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>Fashion Merchandising and Design</i>	<i>Fash Mer</i>	<i>5621</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>Teaching as a Profession (3)</i>	<i>TAP</i>	<i>5622</i>	<i>FCS</i>	<i>050, 051, 450</i>
<ul style="list-style-type: none"> <i>Teachers who teach this course must hold proper endorsement and have attended the state-approved 40-hour Work-Based Learning Training/Internship to conduct internships. Student credit is earned as part of the course grade and not for additional credits.</i> 				
<i>Life Connections</i>	<i>Life Con</i>	<i>5623</i>	<i>FCS</i>	<i>050, 051, 450</i>

CTE - Career and Technical Education Program Classification

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FCS -- FAMILY AND CONSUMER SCIENCES EDUCATION Abbreviation/Code CTE Endorsement/Employment Standards

<i>HQ - Nutrition Science (2)</i>	<i>Nutr Sci</i>	<i>5615</i>	<i>FCS</i>	<i>(050 and 015), (050 and 016), (050 and 211), (050 and 212), (050 and 415), (050 and 416) or (051 and 015), (051 and 016), (051 and 211), (051 and 212), (051 and 415), (051 and 416), (450 and 015), (450 and 016), (450 and 211), (450 and 212), (450 and 415), (450 and 416)</i>
<i>(2) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved, five-day training. Use this code to schedule one person who is endorsed in both Home Economics/Family and Consumer Sciences and Biology or Chemistry and is not team teaching the course. This course satisfies either one credit of Life Science (if team taught with a Biology teacher) or one credit of Physical Science (if team taught with a Chemistry teacher) required for graduation.</i>				
<i>HQ - Nutrition Science (3)</i>	<i>Nutr Sci</i>	<i>5616</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>(3) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved, five-day training. Use this course code to schedule the Family and Consumer Sciences team teaching instructor. This course satisfies either one credit of Life Science (if team taught with a Biology teacher) or one credit of Physical Science (if team taught with a Chemistry teacher) required for graduation. The team teachers should be assigned to the same group of Nutrition Science students.</i>				
<i>Nutrition Science (4) (for CTE credit)</i>	<i>Nutr Sci</i>	<i>5617</i>	<i>FCS</i>	<i>(050 and 015), (050 and 016), (050 and 211), (050 and 212), (050 and 415), (050 and 416) or (051 and 015), (051 and 016), (051 and 211), (051 and 212), (051 and 415), (051 and 416), or (450 and 015), (450 and 016), (450 and 211), (450 and 212), (450 and 415), (450 and 416)</i>
<i>(4) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved, five-day training. Use this code to schedule one person who is endorsed in both Home Economics/Family and Consumer Sciences and Biology or Chemistry and is not team teaching the course.</i>				
<i>Nutrition Science (1) (for CTE credit)</i>	<i>Nutr Sci</i>	<i>5618</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>(1) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved, five-day training. Use this course code to schedule the Family and Consumer Sciences team teaching instructor.</i>				
<i>Work Based Learning/Supervision Period (2)</i>	<i>WB</i>	<i>5697</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>(2) The credit for Work-Based Learning is awarded in the appropriate related Career and Technical course in which the student is enrolled. Work-Based Learning Summary Sheets on every course must be submitted by October 15 and March 1 to state CTE WBL Coordinator. Teachers who teach this course must hold proper endorsement and have attended the state-approved 40-hour Work-Based Learning Training/Internship to conduct school-sponsored enterprise in Culinary Arts. Student credit is earned as part of the course grade and not for additional credits.</i>				
<i>Special Course--Fam & Con Sc</i>	<i>Spec Crs</i>	<i>(3)</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>(3) Prior approval of special courses by the Division of Career and Technical Education is required.</i>				

CTE - Career and Technical Education Program Classification

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FCSO -- FAMILY & CONSUMER SCIENCES OCCUPATIONAL EDUCATION

	Abbreviation/Code	CTE	Endorsement/Employment Standards
Early Childhood Education Careers I (2)	Early Child I	5650	FCSO (050 and 058), (050 and 451), (051 and 058), (051 and 451), (450 and 058), (450 and 451)
<i>(2) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved 40-hour Work-Based Learning Training/Internship to conduct school-sponsored enterprise in Culinary Arts. Work-Based Learning Summary Sheets on every course must be submitted by October 15 and March 1 to state CTE WBL Coordinator. Student credit is earned as part of the course grade and not for additional credits.</i>			
Early Childhood Education Careers II (2)	Early Child II	5660	FCSO (050 and 058), (050 and 451), (051 and 058), (051 and 451), (450 and 058), (450 and 451)
<i>(2) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved 40-hour Work-Based Learning Training/Internship to conduct school-sponsored enterprise in Culinary Arts. Work-Based Learning Summary Sheets on every course must be submitted by October 15 and March 1 to state CTE WBL Coordinator. Student credit is earned as part of the course grade and not for additional credits.</i>			
Early Childhood Education Careers III (2)	Early Child III	5661	FCSO (050 and 058), (050 and 451), (051 and 058), (051 and 451), (450 and 058), (450 and 451)
<i>(2) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved 40-hour Work-Based Learning Training/Internship to conduct school-sponsored enterprise in Culinary Arts. Work-Based Learning Summary Sheets on every course must be submitted by October 15 and March 1 to state CTE WBL Coordinator. Student credit is earned as part of the course grade and not for additional credits.</i>			
Early Childhood Education Careers II / III (1)(2)	Early Child II/III	5662	FCSO (050 and 058), (050 and 451), (051 and 058), (051 and 451), (450 and 058), (450 and 451)
<i>(1) Use this code for classes where student in levels II and III are scheduled in the same class period.</i>			
<i>(2) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved 40-hour Work-Based Learning Training/Internship to conduct school-sponsored enterprise in Culinary Arts. Work-Based Learning Summary Sheets on every course must be submitted by October 15 and March 1 to state CTE WBL Coordinator. Student credit is earned as part of the course grade and not for additional credits.</i>			
Culinary Arts I (4)	Cul Arts I	5656	FCSO (050 and 060), (050 and 453), (051 and 060), (051 and 453), (450 and 060), (450 and 453) and Serve-Safe or National Registry of Food Safety Professionals or CCE Culinary Chef Educator Industry Certification
<ul style="list-style-type: none"> <i>Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved 40-hour Work-Based Learning Training/Internship to conduct school-sponsored enterprise in Culinary Arts. Work-Based Learning Summary Sheets on every course must be submitted by October 15 and March 1 to state CTE WBL Coordinator. Student credit is earned as part of the course grade and not for additional credits.</i> 			

CTE - Career and Technical Education Program Classification

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FCSO -- FAMILY & CONSUMER SCIENCES OCCUPATIONAL EDUCATION

	<u>Abbreviation/Code</u>		<u>CTE</u>	<u>Endorsement/Employment Standards</u>
<i>Culinary Arts II (4)</i>	<i>Cul Arts II</i>	<i>5657</i>	<i>FCSO</i>	<i>(050 and 060), (050 and 453), (051 and 060), (051 and 453), (450 and 060), (450 and 453) and Serve-Safe or National Registry of Food Safety Professionals or CCE Culinary Chef Educator Industry Certification</i>
<i>(4) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved 40-hour Work-Based Learning Training/Internship to conduct school-sponsored enterprise in Culinary Arts. Student credit is earned as part of the course grade and not for additional credits.</i>				
<i>Culinary Arts III (4)</i>	<i>Cul Arts III</i>	<i>5658</i>	<i>FCSO</i>	<i>(050 and 060), (050 and 453), (051 and 060), (051 and 453), (450 and 060), (450 and 453) and Serve-Safe or National Registry of Food Safety Professionals or CCE Culinary Chef Educator Industry Certification</i>
<i>(4) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved 40-hour Work-Based Learning Training/Internship to conduct school-sponsored enterprise in Culinary Arts. Student credit is earned as part of the course grade and not for additional credits.</i>				
<i>Culinary Arts II/III (3)(4)</i>	<i>Cul Arts II/III</i>	<i>5659</i>	<i>FCSO</i>	<i>(050 and 060), (050 and 453), (051 and 060), (051 and 453), (450 and 060), (450 and 453) and Serve-Safe or National Registry of Food Safety Professionals or CCE Culinary Chef Educator Industry Certification</i>
<i>(3) Use this code for classes where students in levels II and III are scheduled in the same class period.</i>				
<i>(4) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved 40-hour Work-Based Learning Training/Internship to conduct school-sponsored enterprise in Culinary Arts. Student credit is earned as part of the course grade and not for additional credits.</i>				
<i>Work Based Learning/Supervision Periods (5)</i>	<i>WB Supv</i>	<i>5698</i>	<i>FCSO</i>	<i>058, 059, 060, 061, 062, 451, 452, 453</i>
<i>(5) The credit for Work Based Learning is awarded in the appropriate related Career and Technical course in which the student is enrolled. Work-Based Learning Summary Sheets on every course must be submitted by October 15 and March 1 to state CTE WBL Coordinator. Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved 40-hour Work-Based Learning Training/Internship to conduct school-sponsored enterprise in Culinary Arts. Student credit is earned as part of the course grade and not for additional credits.</i>				
<i>Special Course -- Fam & Con Sc-Occ</i>	<i>Spec Crs</i>	<i>(6)</i>	<i>FCSO</i>	<i>058, 059, 060, 061, 062, 451, 452, 453</i>
<i>(6) Prior approval of special courses by the Division of Career and Technical Education is required.</i>				

CTE -- Career and Technical Education Program Classification

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ME -- MARKETING EDUCATION	Abbreviation/Code	CTE	Endorsement/Employment Standards	
HQ - Marketing & Management I - Principles <i>Marketing & Management I Principles</i>	<i>Market 1</i>	<i>5000</i>	<i>ME</i>	<i>052, 471, 472</i>
	<i>Market 1</i>	<i>5030</i>	<i>ME</i>	<i>052, 471, 472</i>
Marketing & Management II - <i>Advanced Strategies</i>	<i>Market 2</i>	<i>5001</i>	<i>ME</i>	<i>052, 471, 472</i>
Travel & Tourism Operations	<i>Travel</i>	<i>5003</i>	<i>ME</i>	<i>052, 471, 472</i>
HQ - Services Marketing	<i>Serv Mkting</i>	<i>5004</i>	<i>ME</i>	<i>052, 471, 472</i>
Services-Marketing	<i>Serv-Mkting</i>	<i>5034</i>	<i>ME</i>	<i>052, 471, 472</i>
HQ - Entrepreneurship	<i>Entrepren</i>	<i>5005</i>	<i>ME</i>	<i>052, 471, 472</i>
Entrepreneurship	<i>Entrepren</i>	<i>5035</i>	<i>ME</i>	<i>052, 471, 472</i>
HQ - Financial Services Marketing	<i>Finance</i>	<i>5006</i>	<i>ME</i>	<i>052, 471, 472</i>
Financial Services Marketing	<i>Finance</i>	<i>5036</i>	<i>ME</i>	<i>052, 471, 472</i>
Personal Finance and Building Wealth (1) (2)	<i>Finance</i>	<i>5037</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>(1) Have to have 8 hour training session by Mark-Ed and Better Investing in order to teach this course.</i>				
<i>(2) Fee associated with course – Curriculum LAPS must be purchased from Mark-ED for this course.</i>				
Personal Finance (3)	<i>Finance</i>	<i>5038</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>(3) Personal Finance satisfies the one-half credit required for graduation.</i>				
Technical Marketing	<i>Tech Mkting</i>	<i>5011</i>	<i>ME</i>	<i>052, 471, 472</i>
Exploration of Marketing & Management	<i>Mkting</i>	<i>5014</i>	<i>ME</i>	<i>052, 471, 472</i>
HQ - International Business & Marketing	<i>International</i>	<i>5015</i>	<i>ME</i>	<i>039, 052, 054, 056, 057, 201, 202, 204, 311, 430, 435, 436, 471, 472</i>
International Business & Marketing	<i>International</i>	<i>5045</i>	<i>ME</i>	<i>052, 471, 472</i>
Advertising & Public Relations	<i>Advertising</i>	<i>5016</i>	<i>ME</i>	<i>052, 471, 472</i>
Marketing Research and Analysis	<i>Market Inf</i>	<i>5017</i>	<i>ME</i>	<i>052, 471, 472</i>

CTE -- Career and Technical Education Program Classification

ME -- MARKETING EDUCATION	Abbreviation/Code		CTE	Endorsement/Employment Standards
<i>Sales Management</i>	<i>Sales Mgt</i>	<i>5018</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>Organizational Leadership</i>	<i>Org Lead</i>	<i>5019</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>HQ – Wholesale Logistics Operations</i>	<i>Wholesale</i>	<i>5020</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>Wholesale Logistics Operations</i>	<i>Wholesale</i>	<i>5050</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>HQ – Retail Operations</i>	<i>Retail</i>	<i>5022</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>Retail Operations</i>	<i>Retail</i>	<i>5052</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>Sports and Entertainment Marketing</i>	<i>Sports & Ent</i>	<i>5023</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>Foundations of the Hospitality Industry</i>	<i>Fnd Hosp Ind</i>	<i>5025</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>Lodging Operations/Hospitality Management</i>	<i>Hosp Manag</i>	<i>5026</i>	<i>ME</i>	<i>052, 471, 472</i>
 Virtual Enterprise International (1)				
	<i>Vir Ent Int</i>	<i>5057</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>(1) This course is trademarked by the New York City Department of Education and has an associated fee. Prior approval must be obtained from the Marketing consultant as well as requisite training before offering this course. Course must be taught by Marketing teacher to count for the Marketing Concentration.</i>				
 HQ Virtual Enterprise International (2)				
	<i>Vir Ent Int</i>	<i>5062</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>(2) This course is trademarked by the New York City Department of Education and has an associated fee. Prior approval must be obtained from the Marketing consultant as well as requisite training before offering this course. Course must be taught by Marketing teacher to count for the Marketing Concentration.</i>				
 Work Based Learning/Supervision Periods (3)				
	<i>WB</i>	<i>5098</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>(3) The credit for Work Based Learning is awarded in the appropriate related Career and Technical course in which the student is enrolled. Work-Based Learning Summary Sheets on every course must be submitted by October 15 and March 1 to state CTE WBL Coordinator. Teachers who supervise this experience must hold proper endorsement and have completed the state-approved course (Coordination Techniques) equivalent plus Day One of the state-approved training. Teachers who have not completed the state-approved course (Coordination Techniques) who supervise this experience must hold proper endorsement and have completed the state-approved 40-hour Work-based Learning Training & Internship.</i>				
 Special Course – Marketing				
	<i>Spec Crs</i>	<i>(4)</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>(4) Prior approval of special courses by the Division of Career and Technical Education is required.</i>				
 NOTE: Codes 5062, 5000, 5004, 5005, 5006, 5015, 5020, and 5022 meets the criteria and standards to substitute for the economics ½ credit required for graduation for both the regular and honors diplomas.				

CTE -- Career and Technical Education Program Classification

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CA -- CONTEXTUAL ACADEMICS Abbreviated/Code Report as Course Code CTE Endorsement/Employment Standards

<i>HQ - English IV (3)</i>	<i>Eng 12</i>	<i>30052</i>	<i>3005</i>	<i>CA</i>	<i>007, 407</i>
<i>(3) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved, five-day training.</i>					
<i>HQ - Algebra I (2)</i>	<i>Alg 1</i>	<i>31022</i>	<i>3102</i>	<i>CA</i>	<i>013, 413</i>
<i>(2) Teachers who teach this course must hold proper endorsement <u>and</u> have attended state-approved, five-day training.</i>					
<i>HQ - Algebra II (3)</i>	<i>Alg 2</i>	<i>31032</i>	<i>3103</i>	<i>CA</i>	<i>013, 413</i>
<i>(3) Teachers who teach this course must hold proper endorsement <u>and</u> have attended state-approved, five-day training.</i>					
<i>HQ - Geometry (3)</i>	<i>Geom</i>	<i>31082</i>	<i>3108</i>	<i>CA</i>	<i>013, 413</i>
<i>(3) Teachers who teach this course must hold proper endorsement <u>and</u> have attended state-approved, five day training.</i>					
<i>HQ -Biology I (7)</i>	<i>Biol I</i>	<i>32102</i>	<i>3210</i>	<i>CA</i>	<i>015, 211, 415</i>
<i>(7) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved, five-day training.</i>					
<i>HQ - Principles of Technology I (8)</i>	<i>PTI</i>	<i>3220</i>	<i>3220</i>	<i>CA</i>	<i>016, 017, 212, 214, 414, 416, 417</i>
<i>(8) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved, five-day training. Principles of Technology I satisfies one laboratory science credit required for graduation.</i>					
<i>HQ - Principles of Technology II (9)</i>	<i>PTII</i>	<i>3256</i>	<i>3256</i>	<i>CA</i>	<i>016, 017, 212, 214, 414, 416, 417</i>
<i>(9) Teachers who teach this course must hold proper endorsement <u>and</u> have attended the state-approved training for Principles of Technology I and for Principles of Technology II. 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.</i>					

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