

CAREER AND TECHNICAL EDUCATION 9-12

BT -- BUSINESS TECHNOLOGY EDUCATION

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 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 BT</i>	<i>039, 056, 057, 201, 202, 204, 311, 430, 433, 435, 436, 474, 475, 476</i>
<i>Business Principles</i>	<i>Bus Prin</i>	<i>3771 BT</i>	<i>030, 035, 039, 054, 202, 204, 311, 430, 435, 436, 474, 475, 476</i>
<i>Word Processing</i>	<i>WP</i>	<i>3781 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 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>Advanced Computer Applications</i>	<i>Adv Com App</i>	<i>3770 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 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 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 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 BT</i>	<i>031, 032, 037, 041, 055, 056, 057, 203, 204, 311, 431, 432, 433, 434, 435, 436, 474, 475, 476</i>
<i>Document Formatting</i>	<i>DocForm</i>	<i>3775 BT</i>	<i>031, 032, 037, 041, 055, 056, 057, 203, 204, 311, 432, 433, 434, 435, 436, 474, 475, 476</i>
<i>Accounting I</i>	<i>Acct I</i>	<i>3779 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 BT</i>	<i>030, 054, 055, 201, 203, 311, 430, 434, 435, 436, 474, 475, 476</i>

CTE -- Career and Technical Education Program Classification

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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, 476
<u>HQ-</u> American Business/Legal Systems (1) (1) Satisfies one-half credit in Government	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
<u>HQ-</u> Business Economics (2) (2) Satisfies one-half credit in Economics	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 (3)(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
<p>(3) 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. (4) This course satisfies the program of study requirement for Business Technology and Marketing Education</p>				
<u>HQ – Virtual Enterprise International (5)(6)(7)</u>	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
<p>(5) 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. (6) This course satisfies the program of study requirement for Business Technology and Marketing Education (7) Satisfies one-half credit in Economics</p>				
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
Computer Programming I (8)	Com Prog I	3772	BT	(6) or 037, 041, 055, 056, 057, 203, 204, 311, 434, 435, 436, 474+(6), 475+(8), 476+(8)

(8) 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 six semester hours of computer course work including at least one programming language. Endorsements 474, 475, 476 requires the equivalent of six semester computer courses work including at least one programming language.

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Computer Programming II (9)

Com Prog II

3773

BT

(7) or 037, 041, 055, 056, 057, 203, 204, 311, 434, 435, 436, 474+(9), 475+(9),476+(9)

(9) 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 requires the equivalent of twelve semester courses work including at least six hours of programming language.

Game Programming (10)

Game Prog

3774

BT

(8) or 037, 041, 055, 056, 057, 203, 204, 311, 434, 435, 436, 474+(10), 475+(10), 476+(10)

(10) 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.

Personal Finance (11)

Per Fin

3766

BT

030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 041, 050, 051, 052, 054, 055, 056, 057, 201, 202, 203, 204, 311, 430, 431, 432, 433, 434, 435, 436, 450, 471, 472, 474, 475, 476

(11) This course meets the required one-half credit for graduation.

Work Based Learning/Supervision Period (12)

WB

3798

BT

Any Business Technology Endorsement

(12) 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.

Special Course Business Technology Education Spec Cr

(13)

BT

Any Business Technology Endorsement

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

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

<p><i>Foundations of Technology (1)</i></p>	<p><i>FOT</i></p>	<p><i>3835</i></p>	<p><i>TEE</i></p>	<p>Any TEE endorsement <u>OR</u> 007, 013, 014, 015, 016, 017, 018, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 480, 481, 482, 483 <u>OR</u> Any T & I teacher who holds a Bachelor's degree. <i>All instructors must attend the Required Training. See notes below.</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 <u>OR</u> 007, 013, 014, 015, 016, 017, 018, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480, 481, 482, and 483. 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 qualifying score of 156 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 Bachelors 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 qualifying score of 156 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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Technological Issues (1)	Tech Iss	3836	TEE	
<ul style="list-style-type: none"> <li data-bbox="172 454 1967 552"> <p><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 007, 013, 014, 015, 016, 017, 018 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480, 481, 482 and 483). Instructors are required to attend training only one time.</i></p> <li data-bbox="172 568 1967 698"> <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 qualifying score of 156 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> <li data-bbox="172 730 1967 860"> <p><i>**Trade and Industrial Education instructors who hold a Bachelors 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 qualifying score of 156 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>Any TEE endorsement <u>OR</u> 007, 013, 014, 015, 016, 017, 018, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480 , 481, 482, and 483 OR Any T & I teacher who holds a Bachelor's degree. All instructors must attend the Required Training. See notes below.</p>

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<i>Advanced Technological Applications (1)</i>	ATA	3837	TEE	Any TEE endorsement <u>OR</u> 007, 013, 014, 015, 016, 017, 018, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480, 481, 482, and 483 OR Any T & I teacher who holds a Bachelor's degree. All instructors must attend the Required Training. 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 007, 013, 014, 015, 016, 017, 018, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480, 481, 482, and 483. Instructors are required to attend training only one time.</i> 				
<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 qualifying score of 156 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 Bachelors 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 qualifying score of 156 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 <u>OR</u> 007, 013, 014, 015, 016, 017, 018, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480, 481, 482, and 483 OR Any T & I teacher who holds a Bachelor's degree. All instructors must attend the Required Training. 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 007, 013, 014, 015, 016, 017, 018, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480, 481, 482 and 483). Instructors are required to attend training only one time.</i> 				
<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 qualifying score of 156 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 qualifying score of 156 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>Engineering Design (1)</p> <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 007, 013, 014, 015, 016, 017, 018, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 480, 481, 482, and 483 OR Any T & I teacher who holds a Bachelor's degree. All instructors must attend the Required Training. See notes below.</i> <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 007, 013, 014, 015, 016, 017, 018, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480, 481, 482 and 483). Instructors are required to attend training only one time.</i> <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 qualifying score of 156 prior to entering the classroom, and must pass the Praxis in Teaching and Learning prior to entering the classroom to teach this course.</i> <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 qualifying score of 156 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>Eng Des</p>	<p>3839</p>	<p>TEE</p>	<p>Any TEE endorsement OR 007, 013, 014, 015, 016, 017, 018, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 440, 460, 461, 480, 481, 482, and 483 OR Any T & I teacher who holds a Bachelor's degree. All instructors must attend the Required Training. See notes below.</p>
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TEE -- TECHNOLOGY ENGINEERING EDUCATION Abbreviation/Code CTE Endorsement/Employment Standards

<p><i>Problems and Solutions in Technology (1)</i></p>	<p><i>PST</i></p>	<p><i>3813</i></p>	<p><i>TEE</i></p>	<p>Any TEE endorsement <u>OR</u> 007, 013, 014, 015, 016, 017, 018, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480, 481, 482 and 483 OR Any T & I teachers who holds a bachelor's degree. <i>All instructors must attend the Required Training. See notes below.</i></p> <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 007, 013, 014, 015, 016, 017, 018, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480, 481, 482, and 483).</i> * <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 qualifying score of 156 prior to entering the classroom, and must pass the Praxis in Teaching and Learning prior to entering the classroom to teach this course.</i> ** <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 qualifying score of 156 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>
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<i>Visual Communications</i>	<i>Vis Com</i>	3814	TEE	<i>any TEE endorsement</i>
<i>Web Site I Foundations (1)</i>	<i>Web I Found</i>	3840	TEE	<i>any TEE endorsement and CIW Association Foundation Certification</i>
<i>Web Page Design II - Site Designer (1)</i>	<i>Web Des II</i>	3841	TEE	<i>any TEE endorsement and CIW Association Foundation Certification</i>
<i>Web Page Design III – eCommerce (1)</i>	<i>Web Des III</i>	3842	TEE	<i>any TEE endorsement and CIW Association Foundation Certification</i>
<i>Principles of Manufacturing (1)</i>	<i>Prin Manuf</i>	3843	TEE	<i>any TEE endorsements 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, and 477 and Industry Certification.</i>
<i>*Principles of Machining and Manufacturing (1)</i>	<i>Prin Mc Manu</i>	3844	TEE	<i>any TEE endorsement</i>
<i>*Principles of Engineering</i>	<i>Prin Eng</i>	3845	TEE	<i>any TEE endorsement</i>
<i>*Digital Electronics (1)</i>	<i>Dig Elect</i>	3846	TEE	<i>any TEE endorsement</i>
<i>*Manufacturing Applications (1)</i>	<i>Manuf App</i>	3847	TEE	<i>any TEE endorsement</i>
<i>**Computer Aided Drafting I (1)</i>	<i>Comp Draft I</i>	3848	TEE	<i>any TEE endorsement plus ADDA certification.</i>
<i>* Computer Aided Drafting II (1)</i>	<i>Comp Draft II</i>	3849	TEE	<i>any TEE endorsement plus ADDA certification.</i>
<i>*Advanced Drafting and Design (1)</i>	<i>Adv Draft Des</i>	3850	TEE	<i>any TEE endorsement plus ADDA certification.</i>
<i>*Computer Aided Drafting II/ Adv Draft and Design (1)</i>	<i>Com D II/Adv</i>	3851	TEE	<i>any TEE endorsement plus ADDA certification.</i>
<i>Special Course – Manufacturing Cluster</i>	<i>Sp Crs (4)</i>	3825	TEE	<i>any TEE endorsement plus ADDA certification.</i>
<i>** Special Course – Arts and Communication Cluster</i>	<i>Sp Crs (5)</i>	3826	TEE	<i>any TEE endorsement plus ADDA certification.</i>
<i>Prior approval of special courses by the Department of Education is required.</i>				
<i>(1) All instructors must complete the state-approved, five-day pedagogy training in Technology Engineering Education and the one-day safety training prior to teaching this course.</i>				

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

<i>Work Based Learning/Supervision Periods (1)</i>	<i>WBL</i>	<i>3898</i>	<i>TEE</i>	Any TEE endorsement <u>OR</u> 007, 013, 014, 015, 016, 017, 018, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480, 481, 482, and 483. All instructors must attend the Required Training. 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>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 qualifying score of 156 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>				

<i>Special Course - Tech Ed (1) and (2)</i>	<i>Spec Crs</i>	<i>(2)</i>	<i>TEE</i>	Any TEE endorsement <u>OR</u> 007, 013, 014, 015, 016, 017, 018, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417, 418, 460, 461, 480, 481, 482, and 483 OR Any T & I teachers who holds a Bachelor's degree. 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 007, 013, 014, 015, 016, 017, 018, 081, 105, 210, 211, 212, 213, 214, 407, 413, 414, 415, 416, 417,418, 460, 461, 480, 481, 482 and 483. Instructors are required to attend training only one time.</i></p> <p>(2)<i>Prior approval of special courses by the Department of Education is required.</i></p>				

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A12 -- AGRICULTURAL EDUCATION	Abbreviation/Code		CTE	Endorsement/Employment Standards
<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>
HQ - Agriscience (1)	Agrisc	5171	A12	(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)
<p>(1) Teachers who teach this course must be properly endorsed and have passed a state-approved Methods/Methodology of Teaching Agriscience course. Teachers teaching prior to 2003 must have attended the state-approved, five-day/40-hour training or pass a stste-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.</p>				

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 Department of 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/Code	CTE	Endorsement/Employment Standards	
<u>Transportation, Distribution, and Logistics</u>				
Career Management Success	Career Mgt	5701	TI	Any Career and Technical endorsement
Transportation Core	Trans Core	5812	TI	506, 507, 508, 512, 568
Aviation Maintenance I	Av Main I	5801	TI	512, 579 and FAA Industry Certification
Aviation Maintenance II	Av Main II	5802	TI	512, 579 and FAA Industry Certification
2-4 Cycle Engines I	2-4 Cycle Eng I	5723	TI	506, 508, 512, 568, 579, 581 and Equipment Engine Training Council (EETC) Certification 2015
2-4 Cycle Engines II	2-4 Cycle Eng II	5724	TI	506, 508, 512, 568, 579, 581 and Equipment Engine Training Council (EETC) Certification 2015
2-4 Cycle Engines III	2-4 Cycle III	5725	TI	506, 508, 512, 568, 579, 581 and Equipment Engine Training Council (EETC) Certification 2015
Collision Repair Non-Structural	Coll Rep N S	5803	TI	507 and ASE B-3 or I-CAR Industry Certification
Collision Repair Structural	Coll Rep S	5805	TI	507 and ASE B-4 or I-CAR Industry Certification
Collision Repair Painting and Refinishing	Coll Rep P R	5804	TI	507 and ASE B-2 or I-CAR Industry Certification
Automotive: Suspension & Steering	Auto SS	5729	TI	506, 508 and ASE A-4 Industry Certification
Automotive: Engine Performance	Auto Eng Perf	5728	TI	506, 508 and ASE A-8 Industry Certification
Automotive: Brakes System	Auto Brake Sys	5726	TI	506, 508 and ASE A-5 Industry Certification
Automotive: Electrical/Electronics System	Auto Elec Sys	5727	TI	506, 508 and ASE A-6 Industry Certification
Diesel: Preventive Maintenance	Diesel Pre Main	5808	TI	581 and ASE T-8 Industry Certification
Diesel: Electrical/Electronics	Diesel Elec	5806	TI	581 and ASE T-6 Industry Certification
Diesel: Diesel Engine	Diesel Eng	5807	TI	581 and ASE T-2 Industry Certification

CTE -- Career and Technical Education Program Classification

TI -- TRADE AND INDUSTRIAL

Abbreviation/Code

CTE

Endorsement/Employment Standards

Transportation, Distribution, and Logistics

<i>Introduction to Aerospace</i>	<i>Intro Aero</i>	<i>5809</i>	<i>TI</i>	<i>594 and FAA Industry Certification</i>
<i>Theory of Flight</i>	<i>Theory Flgt</i>	<i>5811</i>	<i>TI</i>	<i>594 and FAA Industry Certification</i>
<i>Principals of Transportation, Distribution and Logistics</i>	<i>Dist Logistics</i>	<i>5810</i>	<i>TI</i>	<i>503</i>
<i>Warehouse and Distribution I</i>	<i>Ware Dist I</i>	<i>5813</i>	<i>TI</i>	<i>503</i>
<i>Warehouse and Distribution II</i>	<i>Ware Dist II</i>	<i>5722</i>	<i>TI</i>	<i>503</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>

(1) Prior approval of special courses by the Department of Education is required.

CTE -- Career and Technical Education Program Classification

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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>5814</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 I</i>	<i>5748</i>	<i>TI</i>	<i>522, 575, 580, 592 and BAT or NCCER Industry Certification</i>
<i>Carpentry II</i>	<i>Car II</i>	<i>5749</i>	<i>TI</i>	<i>522, 575, 580, 592 and BAT or NCCER Industry Certification</i>
<i>Electrical I</i>	<i>Elect I</i>	<i>5815</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 II</i>	<i>5816</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 I</i>	<i>5820</i>	<i>TI</i>	<i>524 and BAT or NCCER or Industry Certification</i>
<i>Masonry II</i>	<i>Mas II</i>	<i>5821</i>	<i>TI</i>	<i>524 and BAT or NCCER or Industry Certification</i>
<i>Concrete I</i>	<i>Conc I</i>	<i>5753</i>	<i>TI</i>	<i>524 and BAT or NCCER Industry Certification</i>
<i>Concrete II</i>	<i>Conc II</i>	<i>5754</i>	<i>TI</i>	<i>524 and BAT or NCCER Industry Certification</i>
<i>Plumbing I</i>	<i>Plumb I</i>	<i>5822</i>	<i>TI</i>	<i>501, 502, 527, 567, 580, 592 and BAT or NCCER or Industry Certification</i>
<i>Plumbing II</i>	<i>Plumb II</i>	<i>5823</i>	<i>TI</i>	<i>501, 502, 527, 567, 580, 592 and BAT or NCCER or Industry Certification</i>
<i>Heating, Ventilation, Air Conditioning, and Refrigeration I(HVAC/R) I</i>	<i>HVAC/R I</i>	<i>5817</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 II(HVAC/R) II</i>	<i>HVAC/R II</i>	<i>5818</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	Abbreviation/Code	CTE	Endorsement/Employment Standards	
<u>Architecture and Construction</u>				
<i>Introduction to Welding</i>	<i>Intro Wld</i>	<i>5819</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>Basic Principles of Welding</i>	<i>Prin Weld</i>	<i>5747</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 Application and Certification</i>	<i>Adv Weld Cert</i>	<i>5746</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>	<i>Comp Draft I</i>	<i>5750</i>	<i>TI</i>	<i>070, 230, 470, 477 OR any other T & I endorsement plus ADDA or Autodesk Certification OR 551, 552, 553 plus ADDA OR Autodesk 531, 554, 555, 556, 584, 585, 595, 596 or any other T & I endorsement plus ADDA or Autodesk certification</i>
<i>Computer Aided Drafting II</i>	<i>Comp Draft II</i>	<i>5752</i>	<i>TI</i>	<i>070, 230, 470, 477 OR any other T & I endorsement plus ADDA or Autodesk Certification OR 551, 552, 553 plus ADDA OR Autodesk 531, 554, 555, 556, 584, 585, 595, 596 or any other T & I endorsement plus ADDA or Autodesk certification</i>
<i>Advanced Drafting and Design</i>	<i>Adv Draft Des</i>	<i>5745</i>	<i>TI</i>	<i>070, 230, 470, 477 OR any other T & I endorsement plus ADDA or Autodesk Certification OR 551, 552, 553 plus ADDA OR Autodesk 531, 554, 555, 556, 584, 585, 595, 596 or any other T & I endorsement plus ADDA or Autodesk certification</i>
<i>Comp Draft II/Adv Draft Des(1)</i>	<i>Comp D Adv II</i>	<i>5751</i>	<i>TI</i>	<i>070, 230, 470, 477 OR any other T & I endorsement plus ADDA or Autodesk Certification OR 551, 552, 553 plus ADDA OR Autodesk 531, 554, 555, 556, 584, 585, 595, 596 or any other T & I endorsement plus ADDA or Autodesk certification</i>
<i>Special Course - Construction Technology</i>	<i>Spec Crs</i>	<i>(2)</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>(1) Use this code when Computer Aided Drafting II and Advanced Drafting and Design are combined in the same class.</i>				
<i>(2) Prior approval of special courses by the Department of Education is required.</i>				

CTE -- Career and Technical Education Program Classification

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TI -- TRADE AND INDUSTRIAL	Abbreviation/Code		CTE	Endorsement/Employment Standards
<i>Arts A/V Technology & Communication</i>				
<i>Career Management Success</i>	<i>Career Mgt</i>	<i>5701</i>	<i>TI</i>	<i>Any Career and Technical endorsement</i>
<i>Digital Arts & Design I</i>	<i>Dig Des I</i>	<i>5825</i>	<i>TI</i>	<i>230, 311, 435, 436, 475, 516, 519, 520, 521,537, 538, 543, 583 and Digital Technician Industry Certification ADDA</i>
<i>Digital Arts & Design II</i>	<i>Dig Des II</i>	<i>5827</i>	<i>TI</i>	<i>311, 435, 436, 475, 516, 519, 520, 521, 543, 583 and Digital Technician Industry Certification ADDA</i>
<i>Digital Arts & Design III</i>	<i>Dig Des III</i>	<i>5828</i>	<i>TI</i>	<i>311, 435, 436, 475, 516, 519, 520, 521, 543, 583 and Digital Technician Industry Certification ADDA</i>
<i>Digital Arts & Design II/III</i>	<i>Dig Des II/III</i>	<i>5826</i>	<i>TI</i>	<i>311, 435, 436, 475, 516, 519, 520, 521, 543, 583 and Digital Technician Industry Certification ADDA</i>
<i>Animation/Stimulation and Motion Graphics</i>	<i>Anim SMG</i>	<i>5773</i>	<i>TI</i>	<i>516, 519, 520, 521, 543, 583 industry certification 2015</i>
<i>Printing/Graphics Technology I</i>	<i>Print I</i>	<i>5829</i>	<i>TI</i>	<i>516, 519, 520, 521, 543, 576, 583</i>
<i>Printing/Graphics Technology II</i>	<i>Print II</i>	<i>5772</i>	<i>TI</i>	<i>543, 583</i>
<i>Broadcasting I</i>	<i>Broad I</i>	<i>5778</i>	<i>TI</i>	<i>576, 597</i>
<i>Broadcasting II</i>	<i>Broad II</i>	<i>5779</i>	<i>TI</i>	<i>576, 597</i>
<i>Broadcasting III</i>	<i>Broad III</i>	<i>5824</i>	<i>TI</i>	<i>576, 597</i>
<i>Audio Production I</i>	<i>Audio Pro I</i>	<i>5774</i>	<i>TI</i>	<i>576, 597 and ProTools Industry Certification</i>
<i>Audio Production II</i>	<i>Audio Pro II</i>	<i>5776</i>	<i>TI</i>	<i>576, 597 and ProTools Industry Certification</i>
<i>Audio Production III</i>	<i>Audio Pro III</i>	<i>5777</i>	<i>TI</i>	<i>576, 597 and ProTools Industry Certification</i>

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TI -- TRADE AND INDUSTRIAL

Abbreviation/Code

CTE

Endorsement/Employment Standards

Arts A/V Technology & Communication

Audio Production II/III (1)

Audio Pro II/III 5775

TI

576, 597 and ProTools Industry Certification

(1) Use this course code when Audio Production II and III are combined in the same class.

Special Course – Arts & Communication

(3)

TI

311, 435, 436, 475 and Industry Certification or 501, 502, 516, 519, 520, 521, 523, 537, 538, 543, 567, 576, 578, 582, 583, 595, 597 and Ind. Cert. where required

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TI -- TRADE AND INDUSTRIAL

Abbreviation/Code

CTE

Endorsement/Employment Standards

Information Technology

<i>Career Management Success</i>	<i>Career Mgt</i>	<i>5701</i>	<i>TI</i>	<i>Any Career and Technical endorsement</i>
<i>Information Technology Foundations</i>	<i>Info Tech</i>	<i>5842</i>	<i>TI</i>	<i>311, 435, 436, 475, 582, 595 and A+ or NetPlus or CIW or CISCO Industry Certification</i>
<i>Computer Systems</i>	<i>Comp Sys</i>	<i>5841</i>	<i>TI</i>	<i>311, 435, 436, 475, 582, 595 and A+ or CISCO Industry Certification</i>
<i>Networking</i>	<i>Network</i>	<i>5844</i>	<i>TI</i>	<i>311, 435, 436, 475, 582, 595 and NetPlus or CISCO Industry Certification</i>
<i>Cable and Internetworking</i>	<i>Cab Inter</i>	<i>5840</i>	<i>TI</i>	<i>475, 501, 502, 523, 532, 537, 567, 578, 582, 595</i>
<i>IT Clinical</i>	<i>IT Clin</i>	<i>5843</i>	<i>TI</i>	<i>311, 435, 436, 475, 582, 595 and NetPlus or CISCO Industry Certification</i>
<i>Web Site I – Foundations</i>	<i>Web I Found</i>	<i>5847</i>	<i>TI</i>	<i>311, 435, 436, 475, and CIW Associate Foundation Industry Certification or 516, 519, 582, 583, 595 and CIW Associate Foundation Industry Certification</i>
<i>Web Page Design II – Site Designer</i>	<i>Web Des II</i>	<i>5878</i>	<i>TI</i>	<i>311, 435, 436, 475, and CIW Site Designer Industry Certification or 516, 519, 582, 583, 595 and CIW Site Designer Industry Certification</i>
<i>Web Page Design III – eCommerce</i>	<i>Web Des III</i>	<i>5839</i>	<i>TI</i>	<i>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</i>
<i>Programming and Logic I</i>	<i>Pro Log I</i>	<i>5845</i>	<i>TI</i>	<i>516, 519, 520, 521, 543, 576, 583 and Industry Certification 2015</i>
<i>Programming and Logic II</i>	<i>Pro Log II</i>	<i>5846</i>	<i>TI</i>	<i>516, 519, 520, 521, 543, 576, 583 and Industry Certification 2015</i>
<i>Special Course – Information Technology</i>	<i>(1)</i>		<i>TI</i>	<i>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</i>

(1) Prior approval of special courses by the Department of Education is required.

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>Principles of Manufacturing</i>	<i>Prin Manuf</i>	<i>5830</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</i>	<i>Pri n Mach</i>	<i>5838</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 McManuf</i>	<i>5837</i>	<i>TI</i>	<i>531, 537, 551, 552, 553, 554, 555, 556, 575, 582, 584, 585, 596, and NIMS Industry Certification</i>
<i>Digital Electronics</i>	<i>Dig Elect</i>	<i>5831</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>5836</i>	<i>TI</i>	<i>531, 551, 552, 553, 575, 582, 596</i>
<i>Manufacturing Applications</i>	<i>Manuf App</i>	<i>5835</i>	<i>TI</i>	<i>551,552,553,554,555, 556, 575, 582, 584, 585, 596, and NIMS Industry Certification</i>
<i>Introduction to Welding</i>	<i>Intro Wld</i>	<i>5819</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>Basic Principles of Welding</i>	<i>Prin Weld</i>	<i>5747</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 Application and Certification</i>	<i>Adv Weld Cert</i>	<i>5746</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>

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TI -- TRADE AND INDUSTRIAL

	<u>Abbreviation/Code</u>		<u>CTE</u>	<u>Endorsement/Employment Standards</u>
<i>Manufacturing</i>				
<i>Computer Aided Drafting I</i>	<i>Comp Draft I</i>	<i>5750</i>	<i>TI</i>	<i>070, 230, 470, 477 OR any other T & I endorsement plus ADDA or Autodesk Certification OR 551, 552, 553 plus ADDA OR Autodesk 531, 554, 555, 556, 584, 585, 595, 596 or any other T & I endorsement plus ADDA or Autodesk certification</i>
<i>Computer Aided Drafting II</i>	<i>Comp Draft II</i>	<i>5752</i>	<i>TI</i>	<i>070, 230, 470, 477 OR any other T & I endorsement plus ADDA or Autodesk Certification OR 551, 552, 553 plus ADDA OR Autodesk 531, 554, 555, 556, 584, 585, 595, 596 or any other T & I endorsement plus ADDA or Autodesk certification</i>
<i>Advanced Drafting and Design</i>	<i>Adv Draft Des</i>	<i>5745</i>	<i>TI</i>	<i>070, 230, 470, 477 OR any other T & I endorsement plus ADDA or Autodesk Certification OR 551, 552, 553 plus ADDA OR Autodesk 531, 554, 555, 556, 584, 585, 595, 596 or any other T & I endorsement plus ADDA or Autodesk certification</i>
<i>Comp Draft II/Adv Draft Des (1)</i>	<i>Comp D Adv II</i>	<i>5751</i>	<i>TI</i>	<i>070, 230, 470, 477 OR any other T & I endorsement plus ADDA or Autodesk Certification OR 551, 552, 553 plus ADDA OR Autodesk 531, 554, 555, 556, 584, 585, 595, 596 or any other T & I endorsement plus ADDA or Autodesk certification</i>
<i>Introduction to Electromechanical</i>	<i>Intro Elec Mech</i>	<i>5834</i>	<i>TI</i>	<i>531, 537, 551, 552, 553, 554, 555, 556, 575, 582, 584, 585, 596, 599</i>
<i>Electromechanical I</i>	<i>Elec Mech I</i>	<i>5832</i>	<i>TI</i>	<i>531, 537, 551, 552, 553, 554, 555, 556, 575, 582, 584, 585, 596, 599</i>
<i>Electromechanical II</i>	<i>Elec Mech II</i>	<i>5833</i>	<i>TI</i>	<i>531, 537, 551, 552, 553, 554, 555, 556, 575, 582, 584, 585, 596, 599</i>
<i>(1)Use this code when Computer Aided Drafting II and Advanced Drafting and Design are combined in the same class.</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

	<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 Department of Education is required.</i>				

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Abbreviation/Code

CTE

Endorsement/Employment Standards

Law, Public Safety & Security

<i>Criminal Justice I</i>	<i>Crim Jus I</i>	<i>5401</i>	<i>TI</i>	<i>586, 590 Tennessee POST Certification for Educators</i>
<i>Criminal Justice II</i>	<i>Crim Jus II</i>	<i>5402</i>	<i>TI</i>	<i>586, 590 Tennessee POST Certification for Educators</i>
<i>Criminal Justice III Forensic Science Investigation</i>	<i>FSI III</i>	<i>5403</i>	<i>TI</i>	<i>586, 590 Tennessee POST Certification for Educators</i>
<i>Criminal Justice II/III (1)</i>	<i>Crim Jus II/III</i>	<i>5343</i>	<i>TI</i>	<i>586, 590 Tennessee POST Certification for Educators</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>5391</i>	<i>TI</i>	<i>561 Tennessee Cosmetology Instructor License</i>
<i>Design Principles of Cosmetology</i>	<i>Dsgn of Cos</i>	<i>5394</i>	<i>TI</i>	<i>561 Tennessee Cosmetology Instructor License</i>
<i>Chemistry of Cosmetology</i>	<i>Chem of Cos</i>	<i>5392</i>	<i>TI</i>	<i>561 Tennessee Cosmetology Instructor License</i>
<i>Design Principles of Cosmetology/ Chemistry of Cosmetology (1)</i>	<i>Dsgn PC</i>	<i>5393</i>	<i>TI</i>	<i>561 Tennessee Cosmetology Instructor License</i>
<i>Barbering I</i>	<i>Barb I</i>	<i>5344</i>	<i>TI</i>	<i>560 and Tennessee Barbering Instructor License</i>
<i>Barbering II</i>	<i>Barb II</i>	<i>5345</i>	<i>TI</i>	<i>560 and Tennessee Barbering Instructor License</i>
<i>Barbering III</i>	<i>Barb III</i>	<i>5346</i>	<i>TI</i>	<i>560 and Tennessee Barbering Instructor License</i>
<i>Special Course - Human Services</i>	<i>Spec Crs</i>	<i>(2)</i>	<i>TI</i>	<i>586, 590, 561, 560</i>

(1) Use this course code for classes where students in Design Principles of Cosmetology and Chemistry of Cosmetology are scheduled in the same class.

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

Cooperative Education

<i>T & I Work Based Learning Supervision Periods (3)</i>	<i>WB Supv</i>	<i>5398</i>	<i>TI</i>	<i>104 or any Occupational Endorsement, excluding endorsement 577</i>
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(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.

CTE -- Career and Technical Education Program Classification

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TI -- TRADE AND INDUSTRIAL

Abbreviation/Code

CTE

Endorsement/Employment Standards

<u>Hospitality and Tourism</u>				
<i>Culinary Arts I</i>	<i>Cul Arts I</i>	<i>5386</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>5387</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>5388</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 Department of 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>				

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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.

<i>Rehabilitation Careers</i>	<i>RT</i>	<i>5515</i>	<i>HS</i>	<i>577</i>
<i>HQ Anatomy and Physiology</i>	<i>Ant/Phys</i>	<i>5516</i>	<i>HS</i>	<i>577</i>
<i>Anatomy and Physiology</i>	<i>Ant/Phys</i>	<i>5517</i>	<i>HS</i>	<i>577</i>
<i>HQ Biomedical Application (1)(2)</i>	<i>BM-HQ</i>	<i>5518</i>	<i>HS</i>	<i>577</i>
<i>(1) Teachers must attend State Approved training every two years for 8 hour training.</i>				
<i>(2) If the teacher is considered HQ the student can receive Life Science substitution credit.</i>				
<i>Biomedical Applications (3)</i>	<i>BM</i>	<i>5519</i>	<i>HS</i>	<i>577</i>
<i>(3) Teachers must attend State Approved training every two years for 8 hour training.</i>				
<i>Clinical Internship (4)</i>	<i>CI</i>	<i>5520</i>	<i>HS</i>	<i>577</i>
<i>(4) Teachers who have never taught Clinical Internship MUST attend a 8 hour training provided by Department of Education Division of Health Science Education prior to teaching course. They must be also trained in Work Based Learning.</i>				
<i>Diagnostic Medicine</i>	<i>DM</i>	<i>5521</i>	<i>HS</i>	<i>577</i>
<i>Emergency Medical Services (5)</i>	<i>EMS</i>	<i>5522</i>	<i>HS</i>	<i>577</i>
<i>(5) Teachers who will teach EMS as a First Responder Course MUST attend a 8 hour training provided by Department of Education Office of Health Science Education prior to teaching the class.</i>				
<i>HQ Forensic Science (6)(7)</i>	<i>FS-HQ</i>	<i>5523</i>	<i>HS</i>	<i>577</i>
<i>(6) Teachers must attend State Approved training every two years for 8 hour training</i>				
<i>(7) If the teacher is considered HQ the student can receive Life Science substitution credit.</i>				
<i>Forensic Science (8)</i>	<i>FS</i>	<i>5524</i>	<i>HS</i>	<i>577</i>
<i>(8) Teachers must attend State Approved training every two years for 8 hour training.</i>				
<i>Health Information Technology</i>	<i>HS</i>	<i>5525</i>	<i>HS</i>	<i>577</i>
<i>Health Science Education</i>	<i>HS</i>	<i>5526</i>	<i>HS</i>	<i>577</i>
<i>Medical Therapeutics</i>	<i>HS</i>	<i>5527</i>	<i>HS</i>	<i>577</i>
<i>Nursing Education (9)</i>	<i>HS</i>	<i>5528</i>	<i>HS</i>	<i>577</i>
<i>(9) Teachers who have never taught Nursing Education MUST attend a 8 hour training provided by Department of Education Office of Health Science Education. They must be also trained in Work Based Learning.</i>				
<i>Work Based Learning/Supervision Periods (10)</i>	<i>WB Supv</i>	<i>5598</i>	<i>HS</i>	<i>577</i>
<i>(10) 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>				
<i>Special Course Health Science Education</i>	<i>Spec Crs</i>	<i>(11)</i>	<i>HS</i>	<i>577</i>
<i>(11) Prior approval of special courses by the Department of Education is required.</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>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>030,031, 032, 033, 034, 035, 036,037, 038, 039, 041, 050, 051, 052, 054, 055, 056, 057, 201, 202, 203, 204, 311, 430, 431, 432, 433, 434, 435, 436, 450, 471, 472, 474, 475, 476</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>
<i>(3) 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 (4)</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>(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. 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 (5)</i>	<i>Nutr Sci</i>	<i>5616</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>(5) 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 (6) (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>(6) 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 (7) (for CTE credit)</i>	<i>Nutr Sci</i>	<i>5618</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>(7) 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 (8)</i>	<i>WB</i>	<i>5697</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>(8) 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>(9)</i>	<i>FCS</i>	<i>050, 051, 450</i>
<i>(9) Prior approval of special courses by the Division of Career and Technical Education is required.</i>				

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FCSO -- FAMILY & CONSUMER SCIENCES OCCUPATIONAL EDUCATION

	<u>Abbreviation/Code</u>	<u>CTE</u>	<u>Endorsement/Employment Standards</u>
<i>Early Childhood Education Careers I (10)</i>	<i>Early Child I</i>	5650	FCSO (050 and 058), (050 and 451), (051 and 058), (051 and 451), (450 and 058), (450 and 451)
<i>(10) Teachers who teach this course must hold proper endorsement and have attended the state-approved 40-hour Work-Based Learning Training to conduct school-sponsored enterprise in Early Childhood Education Careers. 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>			
<i>Early Childhood Education Careers II (10)</i>	<i>Early Child II</i>	5660	FCSO (050 and 058), (050 and 451), (051 and 058), (051 and 451), (450 and 058), (450 and 451)
<i>(10) Teachers who teach this course must hold proper endorsement and have attended the state-approved 40-hour Work-Based Learning Training to conduct school-sponsored enterprise in Early Childhood Education Careers 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>			
<i>Early Childhood Education Careers III (10)</i>	<i>Early Child III</i>	5661	FCSO (050 and 058), (050 and 451), (051 and 058), (051 and 451), (450 and 058), (450 and 451)
<i>(10) Teachers who teach this course must hold proper endorsement and have attended the state-approved 40-hour Work-Based Learning Training to conduct school-sponsored enterprise in Early Childhood Education Careers. 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>			
<i>Early Childhood Education Careers II / III (10)(11)</i>	<i>Early Child II/III</i>	5662	FCSO (050 and 058), (050 and 451), (051 and 058), (051 and 451), (450 and 058), (450 and 451)
<i>(10) Use this code for classes where student in levels II and III are scheduled in the same class period.</i>			
<i>(11) Teachers who teach this course must hold proper endorsement and have attended the state-approved 40-hour Work-Based Learning Training to conduct school-sponsored enterprise in Early Childhood Education Careers. 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>			
<i>Culinary Arts I (12)</i>	<i>Cul Arts I</i>	5663	FCS (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>(12) Teachers who teach this course must hold proper endorsement and have attended the state-approved 40-hour Work-Based Learning Training to conduct school-sponsored enterprise in Early Childhood Education Careers. 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>			

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FCSO -- FAMILY & CONSUMER SCIENCES OCCUPATIONAL EDUCATION

	Abbreviation/Code		CTE	Endorsement/Employment Standards
<i>Culinary Arts II (12)</i>	<i>Cul Arts II</i>	5664	FCS	<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>(12) Teachers who teach this course must hold proper endorsement and have attended the state-approved 40-hour Work-Based Learning Training to conduct school-sponsored enterprise in Early Childhood Education Careers. 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>				
<i>Culinary Arts III (12)</i>	<i>Cul Arts III</i>	5665	FCS	<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>(12) Teachers who teach this course must hold proper endorsement and have attended the state-approved 40-hour Work-Based Learning Training to conduct school-sponsored enterprise in Early Childhood Education Careers. 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>				
<i>Culinary Arts II/III (12)(13)</i>	<i>Cul Arts II/III</i>	5659	FCSO	<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>(12) Use this code for classes where students in levels II and III are scheduled in the same class period.</i>				
<i>(13) Teachers who teach this course must hold proper endorsement and have attended the state-approved 40-hour Work-Based Learning Training to conduct school-sponsored enterprise in Early Childhood Education Careers. 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>				
<i>Work Based Learning/Supervision Periods (14)</i>	<i>WB Supv</i>	5698	FCSO	<i>058, 059, 060, 061, 062, 451, 452, 453</i>
<i>(14) 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>	(15)	FCSO	<i>058, 059, 060, 061, 062, 451, 452, 453</i>
<i>(15) Prior approval of special courses by the Department of Education is required.</i>				

CTE -- Career and Technical Education Program Classification

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ME -- MARKETING EDUCATION

Abbreviation/Code

CTE

Endorsement/Employment Standards

<i>HQ - Marketing & Management I - Principles</i>	<i>Market 1</i>	<i>5000</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>Marketing & Management I Principles</i>	<i>Market 1</i>	<i>5030</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>Marketing & Management II - Advanced Strategies</i>	<i>Market 2</i>	<i>5001</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>Travel & Tourism</i>	<i>Travel</i>	<i>5003</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>HQ - Entrepreneurship</i>	<i>Entrepre</i>	<i>5005</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>Entrepreneurship</i>	<i>Entrepre</i>	<i>5035</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>Personal Finance and Building Wealth (1) (2)</i>	<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>				
<i>Personal Finance (3)</i>	<i>Finance</i>	<i>5038</i>	<i>ME</i>	<i>030, 031, 032, 033, 034, 035, 036, 037, 038, 039, 041, 050, 051, 052, 054, 055, 056, 057, 201, 202, 203, 204, 311, 430, 431, 432, 433, 434, 435, 436, 450, 471, 472, 474, 475, 476</i>
<i>(3) Personal Finance satisfies the one-half credit required for graduation.</i>				
<i>Exploration of Organizational Leadership & Marketing</i>	<i>Org Mkting</i>	<i>5039</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>HQ - International Business & Marketing</i>	<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>
<i>International Business & Marketing</i>	<i>International</i>	<i>5045</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>Advertising & Public Relations</i>	<i>Advertising</i>	<i>5016</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>Marketing Research and Analysis</i>	<i>Market Inf</i>	<i>5017</i>	<i>ME</i>	<i>052, 471, 472</i>

ME -- MARKETING EDUCATION

Abbreviation/Code

CTE

Endorsement/Employment Standards

<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>Hospitality Management</i>	<i>Hosp Manag</i>	<i>5026</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>Virtual Enterprise International (1)(2)</i>	<i>Vir Ent Int</i>	<i>5057</i>	<i>ME</i>	<i>037, 039, 041, 052, 055, 056, 057, 201, 202, 203, 204, 311, 430, 434, 435, 436, 471, 472, 474, 475, 476</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.</i>				
<i>(2) This course satisfies the program of study requirement for Marketing Education and Business Technology.</i>				
<i>HQ Virtual Enterprise International (3)</i>	<i>Vir Ent Int</i>	<i>5062</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>(3) 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>				
<i>Work Based Learning/Supervision Periods (4)</i>	<i>WB</i>	<i>5098</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>(4) 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>				
<i>Special Course – Marketing</i>	<i>Spec Crs</i>	<i>(5)</i>	<i>ME</i>	<i>052, 471, 472</i>
<i>(5) Prior approval of special courses by the Department of Education is required.</i>				
<i>NOTE: Codes 5062, 5000, 5005, 5015 and 5022 meets the criteria and standards to substitute for the economics ½ credit required for graduation for both the regular and honors diplomas.</i>				

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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>(1) 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>(2) 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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