

Proposed changes to State Board of Education Policy 3.205 (Approved High School Courses): under Career and Technical Education, delete Sections 12-19 in their entirety and replace with the creation of Sections 12-27 as follows:

<b>TENNESSEE STATE BOARD OF EDUCATION</b>	
<b>APPROVED HIGH SCHOOL COURSES</b>	<b>3.205</b>

**Career and Technical Education**

CTE courses are listed below by career cluster. Beginning in 2009-10, all students who enter high school must earn three credits in an elective focus. If CTE is used to satisfy this requirement, students are required to take three credits in a Department of Education approved program of study or career cluster. All courses are aligned to a primary career cluster. Some programs of study may include courses from multiple career clusters, early postsecondary, and/or academic programs.

12. Agriculture, Food, & Natural Resources

- 12.1. Advanced Food Science
- 12.2. Agricultural and Biosystems Engineering
- 12.3. Agricultural Business and Finance \*\*\*\*
- 12.4. Agricultural Power and Equipment
- 12.5. Agriscience\*
- 12.6. Applied Environmental Science\*
- 12.7. Food Science and Safety
- 12.8. Greenhouse Management
- 12.9. Introduction to Agricultural Sciences\*\*
- 12.10. Landscaping and Turf Science
- 12.11. Large Animal Science
- 12.12. Natural Resources Management
- 12.13. Organizational Leadership and Communications
- 12.14. Plant and Soil Science
- 12.15. Principles of Agribusiness
- 12.16. Principles of Agricultural Mechanics
- 12.17. Principles of Food Production
- 12.18. Principles of Plant Science and Hydroculture
- 12.19. Small Animal Science
- 12.20. Supervised Agricultural Experience (SAE) \*\*\*
- 12.21. Veterinary Science\*

\* Agriscience, Applied Environmental Science, and Veterinary Science satisfy one laboratory science credit required for graduation.

\*\* Introduction to Agricultural Sciences is a middle school course.

\*\*\*A student who completes an approved Supervised Agricultural Experience project consisting of at least 180 hours will be given one-half credit as an out-of-school experience.

\*\*\*\* Agricultural Business and Finance satisfies the Personal Finance graduation requirement.

### 13. Architecture & Construction

- 13.1. Advanced Drafting and Design
- 13.2. Advanced Welding Applications
- 13.3. Basic Principles of Welding
- 13.4. Carpentry I
- 13.5. Carpentry II
- 13.6. Computer-Aided Drafting I
- 13.7. Computer-Aided Drafting II
- 13.8. Concrete I
- 13.9. Concrete II
- 13.10. Construction Core
- 13.11. Electrical I
- 13.12. Electrical II
- 13.13. Heating, Ventilation, Air Conditioning, and Refrigeration I
- 13.14. Heating, Ventilation, Air Conditioning, and Refrigeration II
- 13.15. Housing
- 13.16. Interior Design
- 13.17. Introduction to Welding
- 13.18. Masonry I
- 13.19. Masonry II
- 13.20. Plumbing I
- 13.21. Plumbing II

### 14. Arts, Audio/Visual Technology, & Communications

- 14.1. Animation and Simulation
- 14.2. Audio Production I
- 14.3. Audio Production II
- 14.4. Audio Production III
- 14.5. Broadcasting I
- 14.6. Broadcasting II
- 14.7. Broadcasting III
- 14.8. Digital Arts & Design I
  
- 14.9. Digital Arts & Design II
- 14.10. Digital Arts & Design III
  
- 14.11. Fashion Design and Merchandising
- 14.12. Printing Graphics Technology I
- 14.13. Printing Graphics Technology II
- 14.14. Textiles and Apparel

### 15. Business Management & Administration

- 15.1. Administrative Management
- 15.2. Advanced Computer Applications
- 15.3. American Business Legal Systems\*
- 15.4. Business Economics\*\*

- 15.5. Business Management
- 15.6. Business Principles
- 15.7. Computer Applications\*\*\*
- 15.8. eBusiness Communications
- 15.9. Personal Finance

\* American Business Legal Systems satisfies one-half credit in U.S. Government if the teacher is Highly Qualified to teach U.S. Government.

\*\* Business Economics satisfies one-half credit in economics if the teacher is Highly Qualified to teach Economics.

\*\*\* Computer Applications may be used as a middle school course.

## 16. Education & Training

- 16.1. Fundamentals of Education
- 16.2. School Counseling
- 16.3. Teaching as a Profession I
- 16.4. Teaching as a Profession II
- 16.5. Teaching as a Profession III

## 17. Finance

- 17.1. Accounting I
- 17.2. Accounting II
- 17.3. Banking and Finance
- 17.4. Financial Planning

## 18. Government & Public Administration

## 19. Health Science

- 19.1. Anatomy and Physiology\*
- 19.2. Behavioral and Community Health
- 19.3. Biomedical Applications
- 19.4. Clinical Internship
- 19.5. Diagnostic Medicine
- 19.6. Emergency Medical Services
- 19.7. Forensic Science
- 19.8. Health Information Technology
- 19.9. Health Science Education
- 19.10. Medical Terminology
- 19.11. Medical Therapeutics
- 19.12. Nursing Education
- 19.13. Rehabilitation Careers

\* Health Science Anatomy & Physiology may be offered for one unit of science credit if the teacher is considered highly qualified.

## 20. Hospitality & Tourism

- 20.1. Culinary Arts I

- 20.2. Culinary Arts II
- 20.3. Culinary Arts III
- 20.4. Hospitality Management
- 20.5. Sports and Entertainment Marketing
- 20.6. Travel and Tourism Operations

## 21. Human Services

- 21.1. Barbering I
- 21.2. Barbering II
- 21.3. Barbering III
- 21.4. Chemistry of Cosmetology
- 21.5. Design Principles of Cosmetology
- 21.6. Early Childhood Education Careers I
- 21.7. Early Childhood Education Careers II
- 21.8. Early Childhood Education Careers III
- 21.9. Early Childhood Education Careers IV
- 21.10. Family Studies
- 21.11. Introduction to Social Health\*
- 21.12. Human Services Practicum
- 21.13. Foundations of Social and Mental Health
- 21.14. Lifespan Development
- 21.15. Nutrition Across the Lifespan
- 21.16. Nutrition Science and Diet Therapy\*\*
- 21.17. Principles of Cosmetology

\* Introduction to Social Health is a middle school course.

\*\* Nutrition Science and Diet Therapy satisfies a laboratory science credit required for graduation.

## 22. Information Technology

- 22.1. Cabling and Internetworking
- 22.2. Computer Systems
- 22.3. Game Programming
- 22.4. Information Technology Foundations
- 22.5. Information Technology Clinical Internship
- 22.6. Networking
- 22.7. Programming and Logic I
- 22.8. Programming and Logic II
- 22.9. Web Site I—Foundations
- 22.10. Web Page Design II—Site Designer
- 22.11. Web Page Design III—eCommerce

## 23. Law, Public Safety, Corrections, & Security

- 23.1. Criminal Justice I
- 23.2. Criminal Justice II
- 23.3. Criminal Justice III: Forensic Science Investigations
- 23.4. Emergency Preparedness

23.5. Principles of Law, Corrections, and Security

24. Manufacturing

- 24.1. Digital Electronics
- 24.2. Electromechanical I
- 24.3. Electromechanical II
- 24.4. Introduction to Electromechanical
- 24.5. Manufacturing Applications
- 24.6. Mechatronics I
- 24.7. Mechatronics II
- 24.8. Principles of Machining
- 24.9. Principles of Machining and Manufacturing
- 24.10. Principles of Manufacturing

25. Marketing

- 25.1. Advertising and Public Relations
- 25.2. Entrepreneurship\*
- 25.3. Exploration of Organizational Leadership and Marketing
- 25.5. Market Research and Analysis
- 25.6. Marketing & Management I—Principles \*
- 25.7. Marketing & Management II—Advanced Strategies
- 25.10. Retail Operations\*
- 25.11. Virtual Enterprise International\*

\* Completion of one credit of a core marketing education course satisfies the economics requirement for graduation if the teacher is Highly Qualified to teach Economics.

26. Science, Technology, Engineering, & Mathematics (STEM)

- 26.1. Advanced Design Applications (EBD)
- 26.2. Advanced Technological Applications (EBD)
- 26.3. Aerospace Engineering (PLTW)
- 26.4. Biotechnical Engineering (PLTW)
- 26.5. Civil Engineering and Architecture (PLTW)
- 26.6. Computer Integrated Manufacturing (PLTW)
- 26.7. Digital Electronics (PLTW)
- 26.8. Engineering Design (EBD)
- 26.9. Engineering Design and Development (PLTW)
- 26.10. Exploring Technology (EBD)\*
- 26.11. Foundations of Technology (EBD)
- 26.12. Gateway to Technology (PLTW) \*\*
- 26.13. Introduction to Engineering Design (PLTW)
- 26.14. Introduction to Geographical Information Systems
- 26.15. Inventions and Innovations (EBD) \*\*\*
- 26.16. Principles of Engineering
- 26.17. Principles of Engineering (PLTW)
- 26.18. Technological Design (EBD)

26.19. Technological Systems (EBD) \*\*\*\*

EBD signifies a course is part of the “Engineering by Design” curriculum package. PLTW signifies a course is part of the “Project Lead the Way” curriculum package. These STEM programs may require additional equipment and certifications to operate.

\* Exploring Technology is designed for grade 6.

\*\* Gateway to Technology (PLTW) is a middle school course

\*\*\* Inventions and Innovations is designed for grade 7.

\*\*\*\* Technological Systems is designed for grade 8.

27. Transportation, Distribution, & Logistics

- 27.1. Aviation Maintenance I
- 27.2. Aviation Maintenance II
- 27.3. Collision Repair: Estimating and Customer Service
- 27.4. Collision Repair: Non-Structural
- 27.5. Collision Repair: Painting and Refinishing
- 27.6. Introduction to Aerospace
- 27.7. Maintenance and Light Repair I
- 27.8. Maintenance and Light Repair II
- 27.9. Maintenance and Light Repair III
- 27.10. Maintenance and Light Repair IV
- 27.11. Principles of Transportation, Distribution, and Logistics
- 27.12. Theory of Flight
- 27.13. Transportation Core
- 27.14. Warehouse and Distribution I
- 27.15. Warehouse and Distribution II