

# TENNESSEE STATE BOARD OF EDUCATION

## APPROVED HIGH SCHOOL COURSES

3.205

The following courses may be offered for credit in grades 9-12.

### Academic Program

- 1. Academic Intervention**
  - 1.1 Special Education Intervention
  - 1.2 Tier II English Language Arts
  - 1.3 Tier III English Language Arts
  - 1.4 Tier II Mathematics Intervention
  - 1.5 Tier III Mathematics Intervention
  
- 2. Automobile Driver Education**
  
- 3. Computer Technology**
  - 3.1 Computer Literacy
  - 3.2 Advanced Placement Computer Science Program\*
  - 3.3 International Baccalaureate Computer Science Program\*
  - 3.4 Cambridge International Computer Science Program\*
  - 3.5 Computer Applications
  
- 4. Visual and Performing Arts**
  - 4.1 General Music
  - 4.2 Instrumental Music I, II, III, IV
  - 4.3 Vocal/Choral Music I, II, III, IV
  - 4.4 Class Piano I, II, III, IV
  - 4.5 Music History
  - 4.6 Music Theory
  - 4.7 Visual Art I, II, III, IV
  - 4.8 Visual Art History
  - 4.9 Dance I, II, III, IV
  - 4.10 Theater I, II, III, IV
  - 4.11 Advanced Placement Fine Arts Program\*
  - 4.12 International Baccalaureate Fine Arts Program\*
  - 4.13 Cambridge International Fine Arts Program\*
  
- 5. General Education Exploratory**
  - 5.1 Preparing for the ACT, Postsecondary, and Career
  
- 6. Health, Physical Education, and Wellness**
  - 6.1 Physical Education
  - 6.2 Health Education
  - 6.3 Wellness

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\* For a full list of Advanced Placement, International Baccalaureate, and Cambridge courses please see the course code correlation published by the department of education.

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### 7. Language Arts

- 7.1 English Language Arts I, II, III, IV
- 7.2 Advanced Placement English Program\*
- 7.3 International Baccalaureate English Program\*
- 7.4 Cambridge International English Program\*
- 7.5 English as a Second Language
- 7.6 Speech and Communications
- 7.7 Journalism I, II, III, IV
- 7.8 Creative Writing
- 7.9 Advanced Creative Writing 10-12
- 7.10 Genre Literature
- 7.11 Visual Literacy

### 8. Mathematics

- 8.1 Algebra I
- 8.2 Geometry
- 8.3 Algebra II
- 8.4 Integrated Math I, II, III
- 8.5 Statistics
- 8.6 Applied Mathematical Concepts
- 8.7 Precalculus
- 8.8 Calculus
- 8.9 Advanced Placement Mathematics Program\*
- 8.10 International Baccalaureate Mathematics Program\*
- 8.11 Cambridge Mathematics Program\*
- 8.12 Bridge Math

### 9. JROTC Military Science

### 10. Science

- 10.1 Physical Science
- 10.2 Biology I, II
- 10.3 Human Anatomy and Physiology
- 10.4 Chemistry I, II
- 10.5 Earth Science
- 10.6 Geology
- 10.7 Environmental Science
- 10.8 Ecology
- 10.9 Physics
- 10.10 Physical World Concepts
- 10.11 Scientific Research
- 10.12 Advanced Placement Science Program\*
- 10.13 International Baccalaureate Science Program\*
- 10.14 Cambridge International Science Program\*

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### 11. Social Studies

- 11.1 United States History
- 11.2 Economics
- 11.3 United States Government
- 11.4 Psychology
- 11.5 Sociology
- 11.6 World Geography
- 11.7 World History and Geography
- 11.8 Contemporary Issues
- 11.9 Ancient History
- 11.10 African-American History
- 11.11 Statewide Dual Credit: Introduction to Sociology
- 11.12 Advanced Placement Social Studies Program\*
- 11.13 International Baccalaureate Social Studies Program\*
- 11.14 Cambridge International Social Studies Program\*
- 11.15 Personal Finance

### 12. World Languages

- 12.1 Latin I, II, III, IV
- 12.2 French I, II, III, IV
- 12.3 German I, II, III, IV
- 12.4 Spanish I, II, III, IV
- 12.5 Russian I, II, III, IV
- 12.6 Japanese I, II, III, IV
- 12.7 Chinese I, II, III, IV
- 12.8 American Sign Language I, II, III, IV
- 12.9 Other Languages I, II, III, IV
- 12.10 Advanced Placement World Languages Program\*
- 12.11 International Baccalaureate World Languages Program\*
- 12.12 Cambridge International World Languages Program\*

### 13. Service Learning

- 13.1 Service-Learning

### Career and Technical Education.

CTE courses are listed below by career cluster. All students who enter high school must earn three (3) credits in an elective focus. If CTE is used to satisfy this requirement, students are required to take three (3) credits in a Department of Education approved program of study or career cluster. Students who are concentrating in CTE must complete three (3) credits within a single program of study. 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.

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In addition to the courses listed below, there are course codes available for postsecondary statewide dual credit and dual enrollment courses in CTE programs of study. Please see the department of education's course code correlation for a full list of available courses codes.

**14. Advanced Manufacturing**

- 14.1 Advanced Electromechanical Technology
- 14.2 Digital Electronics
- 14.3 Introduction to Electromechanical
- 14.4 Manufacturing Practicum
- 14.5 Mechatronics I
- 14.6 Mechatronics II
- 14.7 Principles of Machining I
- 14.8 Principles of Machining II
- 14.9 Principles of Manufacturing
- 14.10 Welding I
- 14.11 Welding II

**15. Agriculture, Food, & Natural Resources**

- 15.1 Advanced Food Science
- 15.2 Agricultural and Biosystems Engineering
- 15.3 Agricultural Business and Finance
- 15.4 Agricultural Power and Equipment
- 15.5 Agriscience
- 15.6 Applied Environmental Science
- 15.7 Food Science and Safety
- 15.8 Greenhouse Management
- 15.9 Introduction to Agricultural Sciences
- 15.10 Landscaping and Turf Science
- 15.11 Large Animal Science
- 15.12 Natural Resources Management
- 15.13 Organizational Leadership and Communications
- 15.14 Plant and Soil Science
- 15.15 Principles of Agribusiness
- 15.16 Principles of Agricultural Mechanics
- 15.17 Principles of Food Production
- 15.18 Principles of Plant Science and Hydroculture
- 15.19 Small Animal Science
- 15.20 Statewide Dual Credit: Introduction to Agriculture Business
- 15.21 Statewide Dual Credit: Introduction to Plant Science
- 15.22 Supervised Agricultural Experience (SAE)
- 15.23 Veterinary Science

**16. Architecture & Construction**

- 16.1 Architectural & Engineering Design I
- 16.2 Architectural & Engineering Design II

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- 16.3 Architectural & Engineering Design III
- 16.4 Advanced Interior Design
- 16.5 Commercial Interior Design
- 16.6 Construction Practicum
- 16.7 Electrical Systems
- 16.8 Foundations of Interior Design
- 16.9 Fundamentals of Construction
- 16.10 HVAC
- 16.11 Mechanical, Electrical, & Plumbing Systems (MEP)
- 16.12 Plumbing Systems
- 16.13 Residential & Commercial Construction I
- 16.14 Residential & Commercial Construction II
- 16.15 Residential Interior Design
- 16.16 Structural Systems I
- 16.17 Structural Systems II

### 17. **Arts, Audio/Visual Technology, & Communications**

- 17.1 Advanced Fashion Design
- 17.2 Applied Arts Practicum
- 17.3 A/V Production I
- 17.4 A/V Production II
- 17.5 A/V Production III
- 17.6 Digital Arts & Design I
- 17.7 Digital Arts & Design II
- 17.8 Digital Arts & Design III
- 17.9 Fashion Design
- 17.10 Foundations of Fashion Design

### 18. **Business Management & Administration**

- 18.1 Advanced Computer Applications
- 18.2 American Business Legal Systems
- 18.3 Business & Entrepreneurship Practicum
- 18.4 Business Communications
- 18.5 Business Economics
- 18.6 Business Management
- 18.7 Computer Applications
- 18.8 Introduction to Business & Marketing
- 18.9 Personal Finance
- 18.10 Health Information Technology
- 18.11 Health Services Administration Practicum
- 18.12 Human Resources Management
- 18.13 Human Resources Management Practicum

### 19. **Education & Training**

- 19.1 Early Childhood Education Careers I
- 19.2 Early Childhood Education Careers II

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- 19.3 Early Childhood Education Careers III
  - 19.4 Early Childhood Education Careers IV
  - 19.5 Educational Therapy and Support I
  - 19.6 Educational Therapy and Support II
  - 19.7 Educational Therapy and Support III
  - 19.8 Educational Therapy and Support Practicum
  - 19.9 Fundamentals of Education
  - 19.10 Teaching as a Profession I
  - 19.11 Teaching as a Profession II
  - 19.12 Teaching as a Profession III
- 20. Finance**
- 20.1 Accounting I
  - 20.2 Accounting II
  - 20.3 Banking and Finance
  - 20.4 Financial Planning
- 21. Government & Public Administration**
- 20.1 Principles of Public Service
  - 20.2 Public Law and Budgeting
  - 20.3 Public Management and Administration
- 22. Health Science**
- 22.1 Anatomy and Physiology
  - 22.2 Behavioral and Community Health
  - 22.3 Cardiovascular Services
  - 22.4 Clinical Internship
  - 22.5 Dental Science
  - 22.6 Diagnostic Medicine
  - 22.7 Emergency Medical Services
  - 22.8 Emergency Medical Services Practicum
  - 22.9 Exercise Science
  - 22.10 Global Health and Epidemiology
  - 22.11 Introduction to Health Science
  - 22.12 Health Science Education
  - 22.13 Medical Terminology
  - 22.14 Medical Therapeutics
  - 22.15 Nursing Education
  - 22.16 Pharmacological Sciences
  - 22.17 Public Health Practicum
  - 22.18 Rehabilitation Careers
- 23. Hospitality & Tourism**
- 23.1 Culinary Arts I
  - 23.2 Culinary Arts II

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- 23.3 Culinary Arts III
- 23.4 Culinary Arts IV
- 23.5 Event Planning & Management
- 23.6 Hospitality Management
- 23.7 Hospitality Marketing
- 23.8 Hospitality & Tourism Exploration

### 24. Human Services

- 24.1 Barbering I
- 24.2 Barbering II
- 24.3 Barbering III
- 24.4 Cosmetology I
- 24.5 Cosmetology II
- 24.6 Cosmetology III
- 24.7 Cosmetology IV
- 24.8 Family Studies
- 24.9 Introduction to Human Studies
- 24.10 Introduction to Social Health
- 24.11 Human Services Practicum
- 24.12 Lifespan Development
- 24.13 Nutrition Across the Lifespan
- 24.14 Nutrition Science and Diet Therapy

### 25. Information Technology

- 25.1 Cabling and Internetworking
- 25.2 Coding I
- 25.3 Coding II
- 25.4 Coding Practicum
- 25.5 Computer Science Foundations
- 25.6 Computer Systems
- 25.7 Cybersecurity I
- 25.8 Cybersecurity II
- 25.9 Cybersecurity Practicum
- 25.10 IT Clinical Internship
- 25.11 Mobile App Development
- 25.12 Networking
- 25.13 Web Design Foundations
- 25.14 Web Site Development
- 25.15 Web Design Practicum

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

- 26.1 Court Systems and Practices
- 26.2 Criminal Justice I
- 26.3 Criminal Justice II
- 26.4 Criminal Justice III: Investigations
- 26.5 Emergency Preparedness

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- 26.6 Fire Prevention
- 26.7 Fire Science I
- 26.8 Fire Science II
- 26.9 Principles of Fire and Emergency Services
- 26.10 Principles of Law, Corrections, and Security

### 27. Marketing

- 27.1 Advertising and Public Relations
- 27.2 Entrepreneurship
- 27.3 Marketing & Management I—Principles
- 27.4 Marketing & Management II—Advanced Strategies
- 27.5 Retail Operations
- 27.6 Virtual Enterprise International

### 28. Science, Technology, Engineering, & Mathematics (STEM)

- 28.1 Advanced Design Applications (EBD)
- 28.2 Advanced Technological Applications (EBD)
- 28.3 Aerospace Engineering (PLTW)
- 28.4 Automation and Robotics (PLTW)
- 28.5 Biotechnical Engineering (PLTW)
- 28.6 Civil Engineering and Architecture (PLTW)
- 28.7 Computer Integrated Manufacturing (PLTW)
- 28.8 Design and Modeling (PLTW)
- 28.9 Digital Electronics (PLTW)
- 28.10 Energy and the Environment (PLTW)
- 28.11 Engineering Design (EBD)
- 28.12 Engineering Design and Development (PLTW)
- 28.13 Engineering Design I
- 28.14 Engineering Design II
- 28.15 Engineering Practicum
- 28.16 Exploring Technology (EBD)
- 28.17 Flight and Space (PLTW)
- 28.18 Foundations of Technology (EBD)
- 28.19 Green Architecture (PLTW)
- 28.20 Introduction to Engineering Design (PLTW)
- 28.21 Introduction to Geographical Information Systems
- 28.22 Inventions and Innovations (EBD)
- 28.23 Magic of Electrons (PLTW)
- 28.24 Medical Detectives (PLTW)
- 28.25 Principles of Engineering (PLTW)
- 28.26 Principles of Engineering and Technology
- 28.27 Principles of Technology I
- 28.28 Principles of Technology II
- 28.29 Robotics and Automated Systems
- 28.30 Science and Technology (PLTW)

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- 28.31 STEM Designers
- 28.32 STEM Explorers
- 28.33 STEM Innovators
- 28.34 STEM I: Foundation
- 28.35 STEM II: Applications
- 28.36 STEM III: STEM in Context
- 28.37 STEM IV: STEM Practicum
- 28.38 Technological Design (EBD)
- 28.39 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.

**29. Transportation, Distribution, & Logistics**

- 29.1 Aviation I: Principles of Flight
- 29.2 Aviation II: Advanced Flight
- 29.3 Collision Repair: Damage Analysis, Estimating, and Customer Service
- 29.4 Collision Repair: Non-Structural
- 29.5 Collision Repair: Painting and Refinishing
- 29.6 Collision Repair: Structural
- 29.7 Distribution & Logistics I
- 29.8 Distribution & Logistics II: Management
- 29.9 Foundations of Distribution & Logistics
- 29.10 Introduction to Aerospace
- 29.11 Introduction to Collision Repair
- 29.12 Maintenance and Light Repair I
- 29.13 Maintenance and Light Repair II
- 29.14 Maintenance and Light Repair III
- 29.15 Maintenance and Light Repair IV

**30. Work-Based Learning**

- 30.1 Work-Based Learning: Career Practicum

**31. General Electives**

- 31.1 Career Exploration
- 31.2 Jobs for Tennessee Graduates (JTG)

**Course Substitutions**

The following course substitutions have been approved:

- (a) Advanced Placement English Language & Composition (7.2) and Advanced Placement English Literature & Composition (7.2) may substitute for English III or English IV.

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- (b) The Physics requirement may be satisfied by completion of Principles of Technology I and II (28.27, 28.28).
- (c) The United States History and Geography requirement may be satisfied by completion of AP United States History (11.12); or IB History of the Americas HL (11.13).
- (d) The United States government requirement may be satisfied by completion of American Business Legal Systems (18.2); three (3) years of JROTC; AP Comparative Government & Politics (11.12); or AP U.S. Government & Politics (11.12).
- (e) The World History and Geography requirement may be satisfied by completion of AP Human Geography (11.12); AP European History (11.12); AP World History (11.12); or IB History of Europe (11.13).
- (f) The Economics requirement may be satisfied by completion of Entrepreneurship (27.2); Business Economics (18.5); Virtual Enterprise International (27.6); Marketing & Management I (27.3); or Retail Operations (27.5).
- (g) The Fine Arts requirement may be satisfied by completion of Foundations of Interior Design (16.8); Visual Art (4.7); Digital Arts & Design I (17.6); Web Design Foundations (25.13); or Foundations of Fashion Design (17.10).
- (h) The Personal Finance requirement may be satisfied by completion of Agriculture Business and Finance (15.3); or three (3) years of JROTC.
- (i) The wellness requirement may be satisfied by completion of two (2) credits of JROTC.
- (j) For students that have met the ACT and/or SAT college readiness benchmarks in mathematics, the following courses may satisfy the requirement for being enrolled in a mathematics course for a fourth (4th), or more credit, option: Physics (10.11); Advanced Placement Physics I (10.15); Advanced Placement Physics II (10.15); Advanced Placement Physics C (10.15); or Advanced Placement Computer Science A (3.8).
- (k) Algebra I, Geometry, and Algebra II may be substituted (if available) with an equivalent course (same content standards) with different instructional methodology such as honors, CTE, or extended time (A/B courses). Courses are elective credit only. Math content credit is awarded upon completion of the B courses. Note: Integrated Math I, II, & III courses may substitute for Algebra I, Geometry, & Algebra II in its entirety.
- (l) Two (2) courses in ESL (7.5) may be counted toward the four (4) English credits required for graduation. It is recommended that the two (2) ESL credits be substituted for English III and IV. Additional ESL courses shall be counted as elective humanities credits.

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- (m) Lifespan Development (24.12) and Court Systems and Practices (26.1) may be counted as a Social Studies elective.
- (n) 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.
- (o) The third (3<sup>rd</sup>) lab science requirement may be satisfied by completion of the following courses:
  - i. Agriscience (15.5)
  - ii. Veterinary Science (15.23)
  - iii. Applied Environmental Science (15.6)
  - iv. Anatomy and Physiology (22.1)
  - v. Nutrition Science & Diet Therapy (24.14)
  - vi. Engineering Design I (28.13)
  - vii. Engineering Design II (28.14)
  - viii. STEM I (28.34)
  - ix. STEM II (28.35)
  - x. Principles of Engineering (PLTW) (28.25)