The following courses may be offered for credit in grades 9-12. Some of the approved courses may be substituted for courses required for graduation. For the list of allowable course substitutions, please see the Department of Education’s correlation of course codes. Additionally, the correlation of course codes provides the full list of Advanced Placement, International Baccalaureate, Cambridge, and Dual Enrollment courses.

**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 Dual Enrollment Computer Science Program
   3.6 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
   4.14 Dual Enrollment Fine Arts Program

5. **General Education Exploratory**
   5.1 Preparing for the ACT, Postsecondary, and Career
   5.2 Tennessee Student Success
6. Health, Physical Education, and Wellness
   6.1 Physical Education
   6.2 Health Education
   6.3 Wellness

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 Dual Enrollment English Program
   7.6 English as a Second Language
   7.7 Speech and Communications
   7.8 Journalism I, II, III, IV
   7.9 Creative Writing
   7.10 Advanced Creative Writing 10-12
   7.11 Genre Literature
   7.12 Visual Literacy
   7.13 Bible¹
   7.14 Etymology & Linguistics
   7.15 Mythology

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 Dual Enrollment Mathematics Program
   8.13 Statewide Dual Credit Pre-Calculus
   8.14 Statewide Dual Credit Statistics
   8.15 Bridge Math

9. JROTC Military Science

10. Science
   10.1 Physical Science
   10.2 Biology I, II

¹ Bible may also be used as a social studies elective. Please see the course code correlation published by the Department of Education.
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<td>10.15</td>
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</tbody>
</table>

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 Dual Enrollment Social Studies Program
11.16 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
12.13 Dual Enrollment World Languages Program
### Career and Technical Education (CTE)

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.

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 course 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
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
### TENNESSEE STATE BOARD OF EDUCATION

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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
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: Forensic Criminal Investigations
26.5 Criminal Justice Practicum
26.6 Emergency Preparedness
26.7 Fire Prevention
26.8 Fire Science I
26.9 Fire Science II
26.10 Pre-Law I
26.11 Pre-Law II
26.12 Pre-Law III
26.13 Principles of Fire and Emergency Services
26.14 Principles of Law, Corrections, and Security
26.15 Statewide Dual Credit Criminal Justice

27. **Marketing**
27.1 Advertising and Public Relations
27.2 Entrepreneurship
27.3 Foundations of Supply Chain Management
27.4 Marketing & Management I—Principles
27.5 Marketing & Management II—Advanced Strategies
27.6 Retail Operations
27.7 Supply Chain Management I: Warehousing and Distribution
27.8 Supply Chain Management II: Management and Logistics
27.9 Supply Chain Management Practicum
27.10 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)
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)