

2017-2018 CTE Program Codes and Titles State-designated Course Sequence (Updated 9-6-17)

Career Exploration: Career Exploration must be offered in the program sequence of instruction prior to Career Preparation courses. Student enrollment in Career Exploration will not be reported to the Department of Education.

Career Preparation: Below is the sequence of courses that should be offered in Career Preparation for each program.

52.0300.00 Accounting and Related Services

- 52.0300.10 Introduction to Business and Accounting
- and-**
- 52.0300.20 Basic Accounting
- And program may elect to add:**
- 52.0300.30 Advanced Accounting *(this optional course is required for Accounting programs that wish to offer an embedded 4th credit in mathematics. Program must teach all Accounting standards and measurement criteria and be approved for embedded credit through the local district governing board.)*
- or-**
- 52.0300.75 Accounting – Internship
- or-**
- 52.0300.80 Accounting – Cooperative Education

52.1800.30 Advertising and Public Relations*

- 52.1800.10 Shared Marketing, Management and Entrepreneurship Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 52.1800 program, i.e. Professional Sales and Marketing, Entertainment Marketing and/or Entrepreneurship.)
- or-**
- 52.1800.12 Advertising and Public Relations Fundamentals
(.12 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 52.1800.30 Advertising and Public Relations only.)
- and-**
- 52.1800.30 Advertising and Public Relations
- And program may elect to add:**
- 52.1800.75 Marketing, Management and Entrepreneurship – Internship
- or-**
- 52.1800.80 Marketing, Management and Entrepreneurship – Cooperative Education

*Program determined not eligible for JTED funding.
It is still an approved CTE program for CTE Federal Perkins and CTE State Priority funding eligibility.

01.0100.90 Agribusiness Systems

- Must include a minimum of 2 of the following .10, .12 or .14:*
- 01.0100.10 Agricultural Business Management – Introduction to Applied Biological Systems
- and-**
- 01.0100.12 Agricultural Business Management – Applied Biological Systems
- and-**
- 01.0100.14 Agricultural Business Management - Agriscience
- and-**
- 01.0100.90 Agribusiness Systems
*(Note: The Agribusiness Systems program has 4 recommended courses in the program sequence; however, 3 Carnegie units of course work are required to complete the program and be eligible for the Agribusiness Systems Technical Skill Assessment. The Agribusiness Systems program must offer the .90 Agribusiness Systems course and a **minimum** of 2 additional courses, i.e. .10, or .12 or .14)*
- And program may elect to add:**
- 01.0100.75 Agricultural Business Management – Agriscience – Internship
- or-**
- 01.0100.80 Agricultural Business Management – Agriscience – Cooperative Education

- 49.0100.00 Air Transportation**
- 49.0100.10 Air Transportation I
 - and-
 - 49.0100.20 Air Transportation II
 - and-
 - 49.0100.30 Air Transportation III
 - And program may elect to add:**
 - 49.0100.75 Air Transportation – Internship
 - or-
 - 49.0100.80 Air Transportation – Cooperative Education
- 47.0600.50 Aircraft Mechanics**
- 47.0600.10 Shared Transportation Technologies Core Curriculum
(.10 CIP Code is used for the core curriculum course if the course is a shared core curriculum course for any other 47.0600 program, i.e. Automotive Technologies Automotive Collision Repair, and/or Diesel Engine Repair.)
 - or-
 - 47.0600.14 Aircraft Mechanics Core Curriculum
(.14 CIP Code is used for the core curriculum course if the course is the core curriculum course for 47.0600.50 Aircraft Mechanics only.)
 - and-
 - 47.0600.50 Aircraft Mechanics I
 - and-
 - 47.0600.55 Aircraft Mechanics II
 - And program may elect to add:**
 - 47.0600.75 Transportation Technologies – Internship
 - or-
 - 47.0600.80 Transportation Technologies – Cooperative Education
- 01.0100.40 Animal Systems**
- Must include a minimum of 2 of the following .10, .12 or .14:*
- 01.0100.10 Agricultural Business Management – Introduction to Applied Biological Systems
 - and-
 - 01.0100.12 Agricultural Business Management – Applied Biological Systems
 - and-
 - 01.0100.14 Agricultural Business Management – Agriscience
 - and-
 - 01.0100.40 Animal Systems
(Note: The Animal Systems program has 4 recommended courses in the program sequence; however, 3 Carnegie units of course work are required to complete the program and be eligible for the Animal Systems Technical Skill Assessment. The Animal Systems program must offer the .40 Animal Systems course and a **minimum** of 2 additional courses, i.e. .10, or .12 or .14)
 - And program may elect to add:**
 - 01.0100.75 Agricultural Business Management – Agriscience – Internship
 - or-
 - 01.0100.80 Agricultural Business Management – Agriscience – Cooperative Education
- 10.0200.60 Animation**
- 10.0200.10 Shared Communication Media Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 10.0200 program, i.e. Digital Communication, Digital Printing, Graphic and Web Design, Digital Photography, Film and TV Production and/or Music and Audio Production.)
 - or-
 - 10.0200.15 Animation Fundamentals
(.15 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 10.0200.60 Animation only.)
 - and-
 - 10.0200.60 Animation I
 - and-
 - 10.0200.65 Animation II
 - or-

- 10.0200.20 Digital Printing I
-or-
- 10.0200.30 Graphic and Web Design I
-or-
- 10.0200.40 Digital Communication I
-or-
- 10.0200.50 Digital Photography I
-or-
- 10.0200.90 Film and TV I
-or-
- 10.0200.00 Music and Audio Production I
And program may elect to add:
- 10.0200.75 Communication Media Technologies – Internship
-or-
- 10.0200.80 Communication Media Technologies – Cooperative Education

15.1300.20 Architectural Drafting

- 15.1300.10 Shared Drafting and Design Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 15.1300 program, i.e. Electronics Drafting, and/or Mechanical Drafting.)
-or-
- 15.1300.11 Architectural Drafting Fundamentals
(.11 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 15.1300.20 Architectural Drafting only.)
-and-
- 15.1300.20 Architectural Drafting
And program may elect to add:
- 15.1300.75 Drafting and Design Technologies – Internship
-or-
- 15.1300.80 Drafting and Design Technologies – Cooperative Education

50.0500.30 Arts Management**

- 50.0500.30 Fundamentals of Performing Arts and Entertainment Industry – Arts Management
-and-
- 50.0500.35 Performing Arts and Entertainment Industry – Arts Management I
And program may elect to add:
- 50.0500.36 Performing Arts and Entertainment Industry – Arts Management II
And program may elect to add:
- 50.0500.75 Performing Arts and Entertainment Industry – Internship
-or-
- 50.0500.80 Performing Arts and Entertainment Industry – Cooperative Education

**Program is discontinued beginning SY 2018 due to lack of supporting Labor Market Data.
New programs in this content area may not be started in SY 2018.
Districts currently offering these programs will have two years to complete the program or transition to another program.

48.0500.20 Automation/Robotics

- 48.0500.10 Shared Precision Manufacturing Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 48.0500 program, i.e. Precision Machining.)
-or-
- 48.0500.11 Automation/Robotics Fundamentals
(.11 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 48.0500.20 Automation/Robotics only.)
-and-
- 48.0500.12 Applications of Precision Manufacturing
-and
- 48.0500.20 Automation/Robotics
And program may elect to add:
- 48.0500.75 Precision Manufacturing – Internship
-or-
- 48.0500.80 Precision Manufacturing – Cooperative Education

47.0600.30 Automotive Collision Repair

- 47.0600.10 Shared Transportation Technologies Core Curriculum
(.10 CIP Code is used for the core curriculum course if the course is a shared core curriculum course for any other 47.0600 program, i.e. Automotive Technologies Aircraft Mechanics, and/or Diesel Engine Repair.)
-or-
- 47.0600.12 Automotive Collision Repair Core Curriculum
(.12 CIP Code is used for the core curriculum course if the course is the core curriculum course for 47.0600.30 Automotive Collision Repair only.)
-and-
- 47.0600.30 Automotive Collision Repair I
-and-
- 47.0600.35 Automotive Collision Repair II
And program may elect to add:
- 47.0600.75 Transportation Technologies – Internship
-or-
- 47.0600.80 Transportation Technologies – Cooperative Education

47.0600.20 Automotive Technologies

- 47.0600.10 Shared Transportation Technologies Core Curriculum
(.10 CIP Code is used for the core curriculum course if the course is a shared core curriculum course for any other 47.0600 program, i.e. Aircraft Mechanics, Automotive Collision Repair, and/or Diesel Engine Repair)
-or-
- 47.0600.11 Automotive Technologies Core Curriculum
(.11 CIP Code is used for the core curriculum course if the course is the core curriculum course for 47.0600.20 Automotive Technologies only.)
-and-
- 47.0600.20 Automotive Technologies I
-and-
- 47.0600.25 Automotive Technologies II
And program may elect to add:
- 47.0600.75 Transportation Technologies – Internship
-or-
- 47.0600.80 Transportation Technologies – Cooperative Education

41.0100.00 Bioscience

- 41.0100.10 Introduction to Bioscience
-and-
- 41.0100.20 Bioscience Technologies
And program may elect to add:
- 41.0100.75 Bioscience – Internship
-or-
- 41.0100.80 Bioscience – Cooperative Education

52.0200.00 Business Management and Administrative Services (BMAS)

- 52.0200.10 Introduction to Business Management and Administrative Services
-and-
- 52.0200.20 Basic Business Management and Administrative Services
And program may elect to add:
- 52.0200.30 Advanced Business Management and Administrative Services
-or-
- 52.0200.75 Business Management and Administrative Services – Internship
-or-
- 52.0200.80 Business Management and Administrative Services – Cooperative Education

52.0400.00 Business Operations Support and Assistant Services (BOSAS)

- 52.0400.10 Fundamentals of Business Operations Support and Assistant Services
-and-

- 52.0400.20 Advanced Business Operations Support and Assistant Services
And program may elect to add:
- 52.0400.75 Business Operations Support and Assistant Services – Internship
-or-
- 52.0400.80 Business Operations Support and Assistant Services – Cooperative Education

46.0400.40 Cabinetmaking

- 46.0400.10 Shared Construction Technologies Core Curriculum
(.10 CIP Code is used for the core curriculum course if the course is a shared core curriculum course for any other 46.0400 program, i.e. Carpentry and/ or Advanced Construction.)
-or-
- 46.0400.13 Cabinetmaking Core Curriculum
(.13 CIP Code is used for the core curriculum course if the course is the core curriculum course for 46.0400.40 Cabinetmaking only.)
-and-
- 46.0400.40 Cabinetmaking
And program may elect to add:
- 46.0400.75 Construction Technologies – Internship
-or-
- 46.0400.80 Construction Technologies – Cooperative Education

46.0400.30 Carpentry

- 46.0400.10 Shared Construction Technologies Core Curriculum
(.10 CIP Code is used for the core curriculum course if the course is a shared core curriculum course for any other 46.0400 program, i.e. cabinetmaking and/ or Advanced Construction.)
-or-
- 46.0400.12 Carpentry Core Curriculum
(.12 CIP Code is used for the core curriculum course if the course is the core curriculum course for 46.0400.30 Carpentry only.)
-and-
- 46.0400.30 Carpentry
And program may elect to add:
- 46.0400.75 Construction Technologies – Internship
-or-
- 46.0400.80 Construction Technologies – Cooperative Education

15.1200.20 Computer Maintenance

- 15.1200.10 Shared Information Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 15.1200 program, i.e. Network Technologies, Software Development, and/or Web Page Development.)
-or-
- 15.1200.11 Computer Maintenance Fundamentals
(.11 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 15.1200.20 Computer Maintenance only.)
-and-
- 15.1200.20 Computer Maintenance
And program may elect to add:
- 15.1200.75 Information Technologies – Internship
-or-
- 15.1200.80 Information Technologies – Cooperative Education

46.0400.20 Construction Technologies

- 46.0400.10 Shared Construction Technologies Core Curriculum
(.10 CIP Code is used for the core curriculum course if the course is a shared core curriculum course for any other 46.0400 program, i.e. cabinetmaking or carpentry.)
-or-
- 46.0400.11 Construction Technologies Core Curriculum
(.11 CIP Code is used for the core curriculum course if the course is the core curriculum course for 46.0400.20 Construction Technologies only.)
-and-
- 46.0400.20 Advanced Construction Technologies
And program may elect to add:

- 46.0400.75 Construction Technologies – Internship
- or-**
- 46.0400.80 Construction Technologies – Cooperative Education

12.0400.00 Cosmetology and Related Personal Grooming Services

- 12.0400.10 Fundamentals of Cosmetology and Related Personal Grooming Services
- and-**
- 12.0400.20 Cosmetology and Related Personal Grooming Services – Advanced Applications
- And program may elect to add:**
- 12.0400.75 Cosmetology and Related Personal Grooming Services – Internship
- or-**
- 12.0400.80 Cosmetology and Related Personal Grooming Services – Cooperative Education

12.0500.00 Culinary Arts

- 12.0500.10 Fundamentals of Culinary Arts
- and-**
- 12.0500.20 Culinary Arts Applications
- And program may elect to add:**
- 12.0500.75 Culinary Arts – Internship
- or-**
- 12.0500.80 Culinary Arts – Cooperative Education

51.0600.00 Dental Assisting

- 51.0600.10 Fundamentals of Dental Assisting
- and-**
- 51.0600.20 Dental Assisting – Advanced Applications
- And program may elect to add:**
- 51.0600.75 Dental Assisting – Internship
- or-**
- 51.0600.80 Dental Assisting – Cooperative Education

47.0600.40 Diesel Engine Repair

- 47.0600.10 Shared Transportation Technologies Core Curriculum
(.10 CIP Code is used for the core curriculum course if the course is a shared core curriculum course for any other 47.0600 program, i.e. Aircraft Mechanics, Automotive Collision Repair, and/or Automotive Technologies.)
- or-**
- 47.0600.13 Diesel Engine Repair Core Curriculum
(.13 CIP Code is used for the core curriculum course if the course is the core curriculum course for 47.0600.40 Diesel Engine Repair only.)
- and-**
- 47.0600.40 Diesel Engine Repair I
- and-**
- 47.0600.45 Diesel Engine Repair II
- And program may elect to add:**
- 47.0600.75 Transportation Technologies – Internship
- or-**
- 47.0600.80 Transportation Technologies – Cooperative Education

10.0200.40 Digital Communication

- 10.0200.10 Shared Communication Media Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 10.0200 program, i.e. Digital Printing, Graphic and Web Design, Animation, Digital Photography, Film and TV Production and/or Music and Audio Production.)
- or-**
- 10.0200.13 Digital Communication Fundamentals
(.13 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 10.0200.40 Digital Communication only.)
- and-**
- 10.0200.40 Digital Communication I
- and-**

- 10.0200.45 Digital Communication II
-or-
- 10.0200.20 Digital Printing I
-or-
- 10.0200.30 Graphic and Web Design I
-or-
- 10.0200.50 Digital Photography I
-or-
- 10.0200.60 Animation I
-or-
- 10.0200.90 Film and TV Production 1
-or-
- 10.0200.00 Music and Audio Production I
And program may elect to add:
- 10.0200.75 Communication Media Technologies – Internship
-or-
- 10.0200.80 Communication Media Technologies – Cooperative Education

10.0200.50 Digital Photography

- 10.0200.10 Shared Communication Media Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 10.0200 program, i.e. Digital Communication, Digital Printing, Graphic and Web Design, Animation, Film and TV Production and/or Music and Audio Production.)
-or-
- 10.0200.14 Digital Photography Fundamentals
(.14 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 10.0200.50 Digital Photography only.)
-and-
- 10.0200.50 Digital Photography I
-and-
- 10.0200.55 Digital Photography II
-or-
- 10.0200.20 Digital Printing I
-or-
- 10.0200.30 Graphic and Web Design I
-or-
- 10.0200.40 Digital Communication I
-or-
- 10.0200.60 Animation I
-or-
- 10.0200.90 Film and TV Production 1
-or-
- 10.0200.00 Music and Audio Production I
And program may elect to add:
- 10.0200.75 Communication Media Technologies – Internship
-or-
- 10.0200.80 Communication Media Technologies – Cooperative Education

10.0200.20 Digital Printing

- 10.0200.10 Shared Communication Media Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 10.0200 program, i.e. Animation, Digital Communication, Graphic and Web Design, Digital Photography, Film and TV Production and/or Music and Audio Production.)
-or-
- 10.0200.11 Digital Printing Fundamentals
(.11 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 10.0200.20 Digital Printing only.)
-and-
- 10.0200.20 Digital Printing I
-and-

- 10.0200.25 Digital Printing II
- or-
- 10.0200.30 Graphic and Web Design I
- or-
- 10.0200.40 Digital Communication I
- or-
- 10.0200.50 Digital Photography I
- or-
- 10.0200.60 Animation I
- or-
- 10.0200.90 Film and TV Production 1
- or-
- 10.0200.00 Music and Audio Production I
- And program may elect to add:**
- 10.0200.75 Communication Media Technologies – Internship
- or-
- 10.0200.80 Communication Media Technologies – Cooperative Education

13.1210.00 Early Childhood Education

- 13.1210.10 Fundamentals of Early Childhood Education
- and-
- 13.1210.20 Early Childhood Education Applications
- And program may elect to add:**
- 13.1210.75 Early Childhood Education – Internship
- or-
- 13.1210.80 Early Childhood Education – Cooperative Education

13.1200.00 Education Professions

- 13.1200.10 Education Professions Fundamentals
- and-
- 13.1200.20 Education Professions Applications
- And program may elect to add:**
- 13.1200.75 Education Professions – Internship
- or-
- 13.1200.80 Education Professions – Cooperative Education

15.0300.00 Electronic Technologies

- 15.0300.10 Electronic Technologies Core Curriculum
- and-
- 15.0300.20 Electricity Principles and Applications
- and-
- 15.0300.25 Electronic Principles and Applications
- And program may elect to add:**
- 15.0300.75 Electronic Technologies – Internship
- or-
- 15.0300.80 Electronic Technologies – Cooperative Education

15.1300.30 Electronics Drafting***

- 15.1300.10 Shared Drafting and Design Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 15.1300 program, i.e. Architectural Drafting, and/or Mechanical Drafting.)
- or-
- 15.1300.12 Electronics Drafting Fundamentals
(.12 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 15.1300.30 Electronics Drafting only.)
- and-
- 15.1300.30 Electronics Drafting
- And program may elect to add:**

- 15.1300.75 Drafting and Design Technologies – Internship
- or-**
- 15.1300.80 Drafting and Design Technologies – Cooperative Education

***Program not yet reviewed for JTED eligibility. Currently no existing programs with enrollment.

51.0900.30 Emergency Medical Services

- 51.0900.30 Fundamentals of Emergency Medical Services
- and-**
- 51.0900.35 Emergency Medical Services – Advanced Applications
- And program may elect to add:**
- 51.0900.75 Diagnostic and Intervention Technologies – Internship
- or-**
- 51.0900.80 Diagnostic and Intervention Technologies – Cooperative Education

15.0000.00 Engineering Sciences

- 15.0000.10 Fundamentals to Explore Engineering Sciences
- or-**
- 15.0000.11 Algebra II or above Math Course (course may be taken simultaneously with 15.0000.20; course not eligible for JTED funding)
- and-**
- 15.0000.20 Applications of Problem Solving in Engineering Sciences
- and-**
- 15.0000.30 Advanced Engineering Sciences
- And program may elect to add:**
- 15.0000.75 Engineering Sciences – Internship
- or-**
- 15.0000.80 Engineering Sciences – Cooperative Education

52.1800.40 Entertainment Marketing*

- 52.1800.10 Shared Marketing, Management and Entrepreneurship Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 52.1800 program, i.e. Professional Sales and Marketing, Advertising and Public Relations and/or Entrepreneurship.)
- or-**
- 52.1800.13 Entertainment Marketing Fundamentals
(.13 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 52.1800.40 Entertainment Marketing only.)
- and-**
- 52.1800.40 Entertainment Marketing
- And program may elect to add:**
- 52.1800.75 Marketing, Management and Entrepreneurship – Internship
- or-**
- 52.1800.80 Marketing, Management and Entrepreneurship – Cooperative Education

*Program determined not eligible for JTED funding.
It is still an approved CTE program for CTE Federal Perkins and CTE State Priority funding eligibility.

52.1800.50 Entrepreneurship*

- 52.1800.10 Shared Marketing, Management and Entrepreneurship Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 52.1800 program, i.e. Professional Sales and Marketing, Advertising and Public Relations and/or Entertainment Marketing.)
- or-**
- 52.1800.14 Entrepreneurship Fundamentals
(.14 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 52.1800.50 Entrepreneurship only.)
- and-**
- 52.1800.50 Entrepreneurship
- And program may elect to add:**

- 52.1800.75 Marketing, Management and Entrepreneurship – Internship
- or-
- 52.1800.80 Marketing, Management and Entrepreneurship – Cooperative Education

*Program determined not eligible for JTED funding.
It is still an approved CTE program for CTE Federal Perkins and CTE State Priority funding eligibility.

01.0100.00 Environmental Service Systems*

Must include a minimum of 2 of the following .10, .12 or .14:

- 01.0100.10 Agricultural Business Management – Introduction to Applied Biological Systems
- and-
- 01.0100.12 Agricultural Business Management – Applied Biological Systems
- and-
- 01.0100.14 Agricultural Business Management – Agriscience
- and-
- 01.0100.00 Environmental Service Systems
*(Note: The Environmental Service Systems program has 4 recommended courses in the program sequence; however, 3 Carnegie units of course work are required to complete the program and be eligible for the Environmental Service Systems Technical Skill Assessment. The Environmental Systems program must offer the .00 Environmental Service Systems course and a **minimum** of 2 additional courses, i.e. .10, or .12 or .14)*
- And program may elect to add:**
- 01.0100.75 Agricultural Business Management – Agriscience – Internship
- or-
- 01.0100.80 Agricultural Business Management – Agriscience – Cooperative Education

*Program determined not eligible for JTED funding.
It is still an approved CTE program for CTE Federal Perkins and CTE State Priority funding eligibility.

52.1900.20 Fashion Design and Merchandising

- 52.1900.10 Shared Design and Merchandising Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 52.1900 program, i.e. Interior Design and Merchandising.)
- or-
- 52.1900.11 Fashion Design and Merchandising Fundamentals
(.11 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 52.1900.20 Fashion Design and Merchandising only.)
- and-
- 52.1900.20 Fashion Design and Merchandising Applications
And program may elect to add:
- 52.1900.75 Design and Merchandising – Internship
- or-
- 52.1900.80 Design and Merchandising – Cooperative Education

10.0200.90 Film and TV

- 10.0200.10 Shared Communication Media Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 10.0200 program, i.e. Digital Communication, Digital Printing, Graphic and Web Design, Digital Photography, Animation and/or Music and Audio Production.)
- or-
- 10.0200.16 Film and TV Fundamentals
(.16 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 10.0200.90 Film and TV only.)
- and-
- 10.0200.90 Film and TV I
- and-
- 10.0200.95 Film and TV II
- or-
- 10.0200.20 Digital Printing I
- or-
- 10.0200.30 Graphic and Web Design I
- or-

- 10.0200.40 Digital Communication I
- or-
- 10.0200.50 Digital Photography I
- or-
- 10.0200.60 Animation I
- or-
- 10.0200.00 Music and Audio Production I
- And program may elect to add:**
- 10.0200.75 Communication Media Technologies – Internship
- or-
- 10.0200.80 Communication Media Technologies – Cooperative Education

52.0800.00 Financial Services

- 52.0800.10 Introduction to Business and Financial Services
- and-
- 52.0800.20 Basic Financial Services
- And program may elect to add:**
- 52.0800.30 Advanced Financial Services
- or-
- 52.0800.75 Financial Services – Internship
- or-
- 52.0800.80 Financial Services – Cooperative Education

43.0200.00 Fire Service

- 43.0200.10 Fundamentals of Fire Service
- and-
- 43.0200.20 Fire Service – Advanced Applications
- And program may elect to add:**
- 43.0200.75 Fire Service – Internship
- or-
- 43.0200.80 Fire Service – Cooperative Education

01.0100.20 Food Products and Processing Systems

- Must include a minimum of 2 of the following .10, .12 or .14:*
- 01.0100.10 Agricultural Business Management – Introduction to Applied Biological Systems
 - and-
 - 01.0100.12 Agricultural Business Management – Applied Biological Systems
 - and-
 - 01.0100.14 Agricultural Business Management – Agriscience
 - and-
 - 01.0100.20 Food Products and Processing Systems
 - (Note: The Food Products and Processing Systems program has 4 recommended courses in the program sequence; however, 3 Carnegie units of course work are required to complete the program. The Food Products and Processing Systems program must offer the .20 Food Products and Processing Systems course and a **minimum** of 2 additional courses, i.e. .10, or .12 or .14)*
 - And program may elect to add:**
 - 01.0100.75 Agricultural Business Management - Agriscience – Internship
 - or-
 - 01.0100.80 Agricultural Business Management - Agriscience – Cooperative Education

10.0200.30 Graphic and Web Design

- 10.0200.10 Shared Communication Media Technologies Fundamentals
- (.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 10.0200 program, i.e. Digital Communication, Digital Printing, Animation, Digital Photography, Film and TV Production and/or Music and Audio Production.)*
- or-
- 10.0200.12 Graphic and Web Design Fundamentals
- (.12 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 10.0200.30 Graphic and Web Design only.)*
- and-

- 10.0200.30 Graphic and Web Design I
- and-
- 10.0200.35 Graphic and Web Design II
- or-
- 10.0200.20 Digital Printing I
- or-
- 10.0200.40 Digital Communication I
- or-
- 10.0200.50 Digital Photography I
- or-
- 10.0200.60 Animation I
- or-
- 10.0200.90 Film and TV Production 1
- or-
- 10.0200.00 Music and Audio Production I
- And program may elect to add:**
- 10.0200.75 Communication Media Technologies – Internship
- or-
- 10.0200.80 Communication Media Technologies – Cooperative Education

51.0707.00 Health Information Technology***

- 51.0707.10 Health Information Technology I
- and-
- 51.0707.20 Health Information Technology II
- and-
- 51.0707.30 Health Information Technology III
- And program may elect to add:**
- 51.0707.75 Health Information Technology – Internship
- or-
- 51.0707.80 Health Information Technology – Cooperative Education

***Program not yet reviewed for JTED eligibility. Currently no existing programs with enrollment.

47.0200.00 Heating, Ventilation and Air Conditioning

- 47.0200.10 Heating, Ventilation and Air Conditioning I
- and-
- 47.0200.20 Heating, Ventilation and Air Conditioning II
- And program may elect to add:**
- 47.0200.75 Heating, Ventilation and Air Conditioning – Internship
- or-
- 47.0200.80 Heating, Ventilation and Air Conditioning – Cooperative Education

49.0200.00 Heavy Equipment Operations

- 49.0200.10 Heavy Equipment Operations I
- and-
- 49.0200.20 Heavy Equipment Operations II
- And program may elect to add:**
- 49.0200.75 Heavy Equipment Operations – Internship
- or-
- 49.0200.80 Heavy Equipment Operations – Cooperative Education

47.0300.00 Heavy/Industrial Equipment Maintenance Technologies***

- 47.0300.10 Heavy/Industrial Equipment Maintenance Tech Core Curriculum
- and-
- 47.0300.20 Heavy/Industrial Equipment Maintenance Tech I
- and-
- 47.0300.25 Heavy/Industrial Equipment Maintenance Tech II
- And program may elect to add:**

- 47.0300.75 Heavy/Industrial Equipment Maintenance Tech – Internship
-or-
 47.0300.80 Heavy/Industrial Equipment Maintenance Tech – Cooperative Education

<p>***Program not yet reviewed for JTED eligibility. Currently no existing programs with enrollment.</p>
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52.0900.00 Hospitality Management

- 52.0900.10 Fundamentals of Hospitality Management
-and-
 52.0900.20 Hospitality Management Applications
And program may elect to add:
 52.0900.75 Hospitality Management – Internship
-or-
 52.0900.80 Hospitality Management – Cooperative Education

46.0300.30 Industrial Electrician

- 46.0300.10 Shared Electrical and Power Transmission Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 46.0300 program, i.e. Residential Electrician.)
-or-
 46.0300.12 Industrial Electrician Fundamentals
(.12 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 46.0300.30 Industrial Electrician only.)
-and-
 46.0300.30 Industrial Electrician
And program may elect to add:
 46.0300.75 Electrical and Power Transmission Technologies – Internship
-or-
 46.0300.80 Electrical and Power Transmission Technologies – Cooperative Education

52.1900.30 Interior Design and Merchandising

- 52.1900.10 Shared Fundamentals of Design and Merchandising
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 52.1900 program, i.e. Fashion Design and Merchandising.)
-or-
 52.1900.12 Interior Design and Merchandising Fundamentals
(.12 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 52.1900.30 Interior Design and Merchandising only.)
-and-
 52.1900.30 Interior Design and Merchandising Applications
And program may elect to add:
 52.1900.75 Design and Merchandising – Internship
-or-
 52.1900.80 Design and Merchandising – Cooperative Education

51.0800.30 Laboratory Assisting

- 51.0800.10 Shared Allied Health Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 51.0800 program, i.e. Pharmacy Support Services, Medical Imaging Support Services, Sports Medicine and Rehabilitation Services and/or Medical Assisting Services.)
-or-
 51.0800.12 Laboratory Assisting Fundamentals
(.12 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 51.0800.30 Laboratory Assisting only.)
-and-
 51.0800.30 Laboratory Assisting
And program may elect to add:
 51.0800.75 Allied Health – Internship
-or-
 51.0800.80 Allied Health – Cooperative Education

43.0100.00 Law, Public Safety and Security

- 43.0100.10 Fundamentals of Law, Public Safety and Security
-and-
- 43.0100.20 Law, Public Safety and Security – Advanced Applications
And program may elect to add:
- 43.0100.75 Law, Public Safety and Security – Internship
-or-
- 43.0100.80 Law, Public Safety and Security – Cooperative Education

15.1300.40 Mechanical Drafting

- 15.1300.10 Shared Drafting and Design Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 15.1300 program, i.e. Electronics Drafting and/or Architectural Drafting.)
-or-
- 15.1300.13 Mechanical Drafting Fundamentals
(.13 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 15.1300.40 Mechanical Drafting only.)
-and-
- 15.1300.40 Mechanical Drafting
And program may elect to add:
- 15.1300.75 Drafting and Design Technologies – Internship
-or-
- 15.1300.80 Drafting and Design Technologies – Cooperative Education

51.0800.60 Medical Assisting Services

- 51.0800.10 Shared Allied Health Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 51.0800 program, i.e. Laboratory Assisting, Medical Imaging Support Services, Sports Medicine and Rehabilitation Services and/or Pharmacy Support Services.)
-or-
- 51.0800.15 Medical Assisting Services Fundamentals
(.15 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 51.0800.60 Medical Assisting Services only.)
-and-
- 51.0800.60 Medical Assisting Services
And program may elect to add:
- 51.0800.75 Allied Health – Internship
-or-
- 51.0800.80 Allied Health – Cooperative Education

51.0800.40 Medical Imaging Support Services***

- 51.0800.10 Shared Allied Health Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 51.0800 program, i.e. Laboratory Assisting, Pharmacy Support Services, Sports Medicine and Rehabilitation Services and/or Medical Assisting Services.)
-or-
- 51.0800.13 Medical Imaging Support Services Fundamentals
(.13 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 51.0800.40 Medical Imaging Support Services only.)
-and-
- 51.0800.40 Medical Imaging Support Services
And program may elect to add:
- 51.0800.75 Allied Health – Internship
-or-
- 51.0800.80 Allied Health – Cooperative Education

***Program not yet reviewed for JTED eligibility. Currently no existing programs with enrollment.

51.1500.00 Mental and Social Health Services

- 51.1500.10 Fundamentals of Mental and Social Health Services
-and-
- 51.1500.20 Mental and Social Health Services – Advanced Applications
And program may elect to add:
- 51.1500.75 Mental and Social Health Services – Internship
-or-
- 51.1500.80 Mental and Social Health Services – Cooperative Education

10.0200.00 Music and Audio Production

- 10.0200.10 Shared Communication Media Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 10.0200 program, i.e. Digital Communication, Digital Printing, Graphic and Web Design, Digital Photography, Film and TV Production and/or Animation.)
-or-
- 10.0200.17 Music and Audio Production Fundamentals
(.17 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 10.0200.00 Music and Audio Production only.)
-and-
- 10.0200.00 Music and Audio Production I
-and-
- 10.0200.05 Music and Audio Production II
-or-
- 10.0200.20 Digital Printing I
-or-
- 10.0200.30 Graphic and Web Design I
-or-
- 10.0200.40 Digital Communication I
-or-
- 10.0200.50 Digital Photography I
-or-
- 10.0200.60 Animation I
-or-
- 10.0200.90 Film and TV I
And program may elect to add:
- 10.0200.75 Communication Media Technologies – Internship
-or-
- 10.0200.80 Communication Media Technologies – Cooperative Education

01.0100.50 Natural Renewable Resources Systems**

- Must include a minimum of 2 of the following .10, .12 or .14:*
- 01.0100.10 Agricultural Business Management – Introduction to Applied Biological Systems
-and-
 - 01.0100.12 Agricultural Business Management – Applied Biological Systems
-and-
 - 01.0100.14 Agricultural Business Management – Agriscience
-and-
 - 01.0100.50 Natural Renewable Resources Systems
*(Note: The Natural Renewable Resources Systems program has 4 recommended courses in the program sequence; however, 3 Carnegie units of course work are required to complete the program and be eligible for the Natural Renewable Resources Systems Technical Skill Assessment. The Natural Renewable Resources Systems program must offer the .50 Natural Renewable Resource Systems course and a **minimum** of 2 additional courses, i.e. .10, or .12 or .14)*
And program may elect to add:
 - 01.0100.75 Agricultural Business Management – Agriscience – Internship
-or-
 - 01.0100.80 Agricultural Business Management – Agriscience – Cooperative Education

**Program is discontinued beginning SY 2018 due to lack of supporting Labor Market Data.
New programs in this content area may not be started in SY 2018.
Districts currently offering these programs will have two years to complete the program or transition to another program.

- 15.1200.30 Network Technologies**
- 15.1200.10 Shared Information Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 15.1200 program, i.e. Computer Maintenance, Software Development, and/or Web Page Development.)
-or-
- 15.1200.12 Network Technologies Fundamentals
(.12 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 15.1200.30 Network Technologies only.)
and-
- 15.1200.30 Network Technologies
And program may elect to add:
- 15.1200.75 Information Technologies – Internship
-or-
- 15.1200.80 Information Technologies – Cooperative Education
- 51.3900.00 Nursing Services**
- 51.3900.10 Fundamentals of Nursing Services
-and-
- 51.3900.20 Nursing Services – Advanced Applications
And program may elect to add:
- 51.3900.75 Nursing Services – Internship
-or-
- 51.3900.80 Nursing Services – Cooperative Education
- 51.0800.20 Pharmacy Support Services**
- 51.0800.10 Shared Allied Health Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 51.0800 program, i.e. Laboratory Assisting, Medical Imaging Support Services, Sports Medicine and Rehabilitation Services and/or Medical Assisting Services.)
-or-
- 51.0800.11 Pharmacy Support Services Fundamentals
(.11 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 51.0800.20 Pharmacy Support Services only.)
-and-
- 51.0800.20 Pharmacy Support Services
And program may elect to add:
- 51.0800.75 Allied Health – Internship
-or-
- 51.0800.80 Allied Health – Cooperative Education
- 01.0100.30 Plant Systems**
- Must include a minimum of 2 of the following .10, .12 or .14:*
- 01.0100.10 Agricultural Business Management – Introduction to Applied Biological Systems
-and-
- 01.0100.12 Agricultural Business Management – Applied Biological Systems
-and-
- 01.0100.14 Agricultural Business Management – Agriscience
-and-
- 01.0100.30 Plant Systems
(Note: The Plant Systems program has 4 recommended courses in the program sequence; however, 3 Carnegie units of course work are required to complete the program and be eligible for the Plant Systems Technical Skill Assessment. The Plant Systems program must offer the .30 Plant Systems course and a **minimum** of 2 additional courses, i.e. .10, or .12 or .14)
And program may elect to add:
- 01.0100.75 Agricultural Business Management – Agriscience – Internship
-or-
- 01.0100.80 Agricultural Business Management – Agriscience – Cooperative Education

01.0100.60 Power, Structural and Technical Systems*

- Must include a minimum of 2 of the following .10, .12 or .14:*
- 01.0100.10 Agricultural Business Management – Introduction to Applied Biological Systems
 - and-**
 - 01.0100.12 Agricultural Business Management – Applied Biological Systems
 - and-**
 - 01.0100.14 Agricultural Business Management – Agriscience
 - and-**
 - 01.0100.60 Power, Structural and Technical Systems
*(Note: The Power, Structural and Technical Systems program has 4 recommended courses in the program sequence; however, 3 Carnegie units of course work are required to complete the program. The Power, Structural and Technical Systems program must offer the .60 Power, Structural and Technical Systems course and a **minimum** of 2 additional courses, i.e. .10, or .12 or .14)*
- And program may elect to add:**
- 01.0100.75 Agricultural Business Management – Agriscience – Internship
 - or-**
 - 01.0100.80 Agricultural Business Management – Agriscience – Cooperative Education

<p>*Program determined not eligible for JTED funding. It is still an approved CTE program for CTE Federal Perkins and CTE State Priority funding eligibility.</p>
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48.0500.30 Precision Machining

- 48.0500.10 Shared Precision Manufacturing Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 48.0500 program, i.e. Automation/Robotics.)
 - or-**
 - 48.0500.13 Precision Manufacturing Fundamentals
(.13 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 48.0500.30 Precision Machining only.)
 - and-**
 - 48.0500.12 Applications of Precision Manufacturing
 - and-**
 - 48.0500.30 Precision Machining
- And program may elect to add:**
- 48.0500.75 Precision Manufacturing – Internship
 - or-**
 - 48.0500.80 Precision Manufacturing – Cooperative Education

52.1800.20 Professional Sales and Marketing

- 52.1800.10 Shared Marketing, Management and Entrepreneurship Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 52.1800 program, i.e. Entrepreneurship, Advertising and Public Relations and/or Entertainment Marketing.)
 - or-**
 - 52.1800.11 Professional Sales and Marketing Fundamentals
(.11 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 52.1800.20 Professional Sales and Marketing only.)
 - and-**
 - 52.1800.20 Professional Sales and Marketing
- And program may elect to add:**
- 52.1800.75 Marketing, Management and Entrepreneurship – Internship
 - or-**
 - 52.1800.80 Marketing, Management and Entrepreneurship – Cooperative Education

46.0300.20 Residential Electrician***

- 46.0300.10 Shared Electrical and Power Transmission Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 46.0300 program, i.e. Industrial Electrician.)
- or-**
- 46.0300.11 Residential Electrician Fundamentals
(.11 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 46.0300.20 Residential Electrician only.)
- and-**

- 46.0300.20 Residential Electrician
And program may elect to add:
- 46.0300.75 Electrical and Power Transmission Technologies – Internship
-or-
- 46.0300.80 Electrical and Power Transmission Technologies – Cooperative Education

***Program not yet reviewed for JTED eligibility. Currently no existing programs with enrollment.

51.0900.20 Respiratory Therapy Technician***

- 51.0900.20 Fundamentals of Respiratory Therapy Technician
-and-
- 51.0900.25 Respiratory Therapy Technician – Advanced Applications
And program may elect to add:
- 51.0900.75 Diagnostic and Intervention Technologies – Internship
-or-
- 51.0900.80 Diagnostic and Intervention Technologies – Cooperative Education

***Program not yet reviewed for JTED eligibility. Currently no existing programs with enrollment.

15.1200.40 Software Development

- 15.1200.10 Shared Information Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 15.1200 program, i.e. Network Technologies, Web Page Development, and/or Computer Maintenance.)
-or-
- 15.1200.13 Software Development Fundamentals
(.13 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 15.1200.40 Software Development only.)
-and-
- 15.1200.40 Software Development
And program may elect to add:
- 15.1200.75 Information Technologies – Internship
-or-
- 15.1200.80 Information Technologies – Cooperative Education

51.0800.50 Sports Medicine and Rehabilitation Services

- 51.0800.10 Shared Allied Health Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 51.0800 program, i.e. Laboratory Assisting, Medical Imaging Support Services, Pharmacy Support Services, and/or Medical Assisting Services.)
-or-
- 51.0800.14 Sports Medicine and Rehabilitation Services Fundamentals
(.14 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 51.0800.50 Sports Medicine and Rehabilitation Services only.)
-and-
- 51.0800.50 Sports Medicine and Rehabilitation Services
-or-
And program may elect to add:
- 51.0800.75 Allied Health – Internship
-or-
- 51.0800.80 Allied Health – Cooperative Education

51.0900.40 Surgical Technician***

- 51.0900.40 Fundamentals of Surgical Technician
-and-
- 51.0900.45 Surgical Technician – Advanced Applications
And program may elect to add:
- 51.0900.75 Diagnostic and Intervention Technologies – Internship
-or-
- 51.0900.80 Diagnostic and Intervention Technologies – Cooperative Education

***Program not yet reviewed for JTED eligibility. Currently no existing programs with enrollment.

- 50.0500.20 Technical Theatre**
50.0500.20 Fundamentals of Performing Arts and Entertainment Industry - Technical Theatre
-and-
50.0500.25 Performing Arts and Entertainment Industry – Technical Theatre I
And program may elect to add:
50.0500.26 Performing Arts and Entertainment Industry – Technical Theater II
-or-
And program may elect to add:
50.0500.75 Performing Arts and Entertainment Industry – Internship
-or-
50.0500.80 Performing Arts and Entertainment Industry – Cooperative Education
- 51.3500.00 Therapeutic Massage**
51.3500.10 Fundamentals of Therapeutic Massage
-and-
51.3500.20 Therapeutic Massage – Advanced Applications
And program may elect to add:
51.3500.75 Therapeutic Massage – Internship
-or-
51.3500.80 Therapeutic Massage – Cooperative Education
- 51.0808.00 Veterinary Assistant**
51.0808.10 Fundamentals of Veterinary Assisting
-and-
51.0808.20 Veterinary Assisting I
-and-
51.0808.30 Veterinary Assisting II
And program may elect to add:
51.0808.75 Veterinary Assisting – Internship
-or-
51.0808.80 Veterinary Assisting – Cooperative Education
- 15.1200.50 Web Page Development**
15.1200.10 Shared Information Technologies Fundamentals
(.10 CIP Code is used for the Fundamentals course if the course is a shared Fundamentals course for any other 15.1200 program, i.e. Network Technologies, Software Development, and/or Computer Maintenance.)
-or-
15.1200.14 Web Page Development Fundamentals
(.14 CIP Code is used for the Fundamentals course if the course is the Fundamentals course for 15.1200.50 Web Page Development only.)
-and-
15.1200.50 Web Page Development
And program may elect to add:
15.1200.75 Information Technologies – Internship
-or-
15.1200.80 Information Technologies – Cooperative Education
- 48.0508.00 Welding Technologies**
48.0508.10 Welding Technologies Core Curriculum
-and-
48.0508.20 Welding Technologies
And program may elect to add:
48.0508.75 Welding Technologies – Internship
-or-
48.0508.80 Welding Technologies – Cooperative Education