



South Carolina Career and Technical Education Secondary Program Proposals

April 2026

CTE Program Proposals

SCDE Career Cluster Specialists conducted a comprehensive review of current secondary CTE programs to evaluate alignment with industry standards, postsecondary expectations, and statewide workforce priorities. Using labor market data, credential alignment, enrollment trends, and course analysis, the team identified strengths, gaps, redundancies, and non-essential requirements while prioritizing rigor, relevance, access, and scalability.

Based on this analysis, the team developed initial recommendations to modernize and strengthen CTE programs. This analysis informed the following initial proposals to modernize and strengthen programs and served as an evidence-based foundation for the formal external review process.

The SCDE Career Cluster Specialists' proposals are grouped by career clusters. You can navigate each cluster using the chart below:

Clusters

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All program reviews and final recommendations must be submitted electronically using the state-designated online submission system. Electronic submission is the official record of the review and is required for all reviews. Information regarding the online submission process may be accessed in the South Carolina CTE Secondary Program Review Handbook.

Advanced Manufacturing

Reminder: The goal of Perkins V is to ensure that CTE programs of study function like funnels, starting out with exploration and leading to certification without duplicating any content along the way.

Please Note:

- Each course was intentionally selected to ensure mastery of program competencies and alignment with labor market needs, industry expectations, and postsecondary pathways.
- Complimentary courses were removed- each program course selected is essential to program competency mastery.
- Concentrator courses are designated with **
- CTE Internship, Work Based Credit Courses may not be used to count toward completer status.

Program Additions/Deletions:

- The Integrated Production Technology and Metal Fabrication programs are recommended for sunseting due to sustained low enrollment and the opportunity to strategically realign resources toward higher demand, more engaging programs that better meet student and workforce needs.
- The Mechanical Design program transitioned from the Arts, Entertainment, & Design cluster to the Advanced Manufacturing cluster to improve alignment with the national CTE crosswalk.

Program Proposals:

Aerospace Engineering Technology	CIP Code: 150801	4 Credit Completer
Fundamentals of Aerospace Technology **		
Advanced Aerospace Technology **		
Aeronautics Engineering Applications		
Astronautics Engineering Applications		
General Engineering	CIP Code: 140101	4 Credit Completer
Core Engineering 1 **		
Core Engineering 2 **		
Core Engineering 3		
Core Engineering 4		

Notes: Program name and CIP code changed to General Engineering/140101 for alignment purposes.

CIP Code Definition: A program that generally prepares individuals to apply mathematical and scientific principles to solve a wide variety of practical problems in industry, social organization, public works, and commerce. Includes instruction in undifferentiated and individualized programs in engineering.

Electronics Technology	CIP Code: 470101	4 Credit Completer
Electronics Technology 1 **		

Electronics Technology 2 **

Electronics Technology 3

Electronics Technology 4

Notes: The option to complete this program using Mechatronics courses was removed to create a more streamlined program aligned with the CIP code.

Mechanical Design

CIP Code: 151302

4 Credit Completer

Mechanical Design 1 **

Mechanical Design 2 **

(Planned) Mechanical Design 3

(Planned) Mechanical Design 4

Notes:

- Mechanical Design is included in the Advanced Manufacturing cluster to align with the national CTE Crosswalk.
- Mechanical Design 3 and 4 courses will be created to complete the curriculum needed to build the core technical competencies of the program.

CIP Code Definition: A program that prepares individuals to apply technical skills and advanced computer software and hardware to the creation of graphic representations and simulations in support of engineering projects. Includes instruction in engineering graphics, two-dimensional and three-dimensional engineering design, solids modeling, engineering animation, computer-aided drafting (CAD), computer-aided design (CADD), and auto-CAD techniques.

Machine Technology

CIP Code: 480503

4 Credit Completer

Machine Technology 1 **

Machine Technology 2 **

Machine Technology 3

Machine Technology 4

Mechatronics Integrated Technology

CIP Code: 150407

4 Credit Completer

Mechatronics 1-Electrical Components/Industrial Safety **

Mechatronics 2-Mechanical Components Electric Drives/Hand & Power Tool Op **

Mechatronics 3-Electro Pneumatics & Hydraulics

Mechatronics 4-Digital Fundamentals & Programmable Controllers

Notes:

- The CIP code was changed for better alignment with course standards.
- The option to complete this program using Electronics Technology courses was removed to create a more streamlined program aligned with the CIP code.

CIP Code Definition: A program that prepares individuals to apply basic engineering principles and technical skills in the support of engineers to the design, development, and operational evaluation of

autonomous, computer-controlled, electro-mechanical systems. Includes instruction in computer and software engineering, control engineering, electronic and electrical engineering, mechanical engineering, and robotics.

Pre-Engineering	CIP Code: 140102	4 Credit Completer
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PLTW-Introduction to Engineering Design **

Principles of Engineering **

Third and fourth courses chosen from:

- PLTW-Aerospace Engineering
- PLTW-Civil Engineering and Architecture
- PLTW-Computer Integrated Manufacturing
- PLTW-Computer Science Principles
- PLTW-Digital Electronics
- PLTW-Capstone
- PLTW-Environmental Sustainability (ES)

Notes: The program name and CIP code were updated to remove vendor references and improve alignment with course standards.

CIP Code Definition: A program that prepares individuals for admission or transfer to a baccalaureate-level program in any of the fields of engineering.

Automation Engineering	CIP Code: 144201	4 Credit Completer
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Siemens Engineering Design **

Siemens Manufacturing and Automation **

Siemens Mechatronics and the Internet of Things

Siemens Engineering Research and Development

Notes: The program name and CIP code were updated to remove vendor references and improve alignment with course standards.

CIP Code Definition: A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of computer controlled electro-mechanical systems and products with embedded electronics, sensors, and actuators; and which includes, but is not limited to, automata, robots and automation systems. Includes instruction in mechanical engineering, electronic and electrical engineering, computer and software engineering, and control engineering.

Welding Technology	CIP Code: 480508	4 Credit Completer
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Welding Technology 1 **

Welding Technology 2 **

Welding Technology 3

Welding Technology 4

Agriculture

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Please Note:

- Each course was intentionally selected to ensure mastery of program competencies and alignment with labor market needs, industry expectations, and postsecondary pathways.
- Complimentary courses were removed- each program course selected is essential to program competency mastery.
- Concentrator courses are designated with **
- CTE Internship, Work Based Credit Courses may not be used to count toward completer status.

Program Additions/Deletions:

- The Biosystems Engineering Technology program is recommended for sunseting due to sustained low enrollment and the opportunity to strategically realign resources toward higher demand, more engaging programs that better meet student and workforce needs.
- Agricultural Experiences Capstone course will be created to complete the curriculum needed to build the core technical competencies of the programs.

Program Proposals:

Agricultural Mechanics and Technology	CIP Code: 010201	4 Credit Completer
Agricultural Science and Technology**		
Agricultural Mechanics and Technology**		
3rd and 4th courses chosen from:		
• Equipment Operation and Maintenance		
• Agricultural Power Mechanics		
• Agribusiness and Marketing		
• Agricultural Experiences Capstone		

Notes: CIP code changed to 010201 for alignment purposes.

CIP Code Definition: A program that generally prepares individuals to sell, select, and service agricultural or agribusiness technical equipment and facilities, including computers, specialized software, power units, machinery, equipment structures, and utilities. Includes instruction in agricultural power systems, planning and selecting materials for the construction of support facilities, mechanical practices associated with irrigation and water conservation, erosion control, and agricultural data processing systems.

Horticulture**CIP Code: 010601****4 Credit Completer**

Agricultural Science and Technology**

Introduction to Horticulture**

3rd and 4th courses chosen from:

- Nursery, Greenhouse, and Garden Center Technology
- Floriculture
- Landscape Technology
- Agricultural Crop Production and Management
- Soil and Soiless Research
- Soil and Water Conservation
- Turf and Lawn Management
- Agribusiness and Marketing
- Agricultural Mechanics and Technology
- Equipment Maintenance and Technology
- Agricultural Experiences Capstone

Animal Sciences and Services**CIP Code: 010999****4 Credit Completer**

Agricultural Science and Technology**

Animal Science**

3rd and 4th courses chosen from

- Introduction to Veterinary Science
- Small Animal Care
- Equine Science
- Farm Animal or Cattle Production
- Aquaculture
- Wildlife Management
- Agribusiness and Marketing
- Agricultural Mechanics and Technology
- Agricultural Crop Production and Management
- Agricultural Experiences Capstone

Notes: Name and CIP code change from for better alignment with industry expectations and postsecondary opportunities.

Arts, Entertainment & Design

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- Complimentary courses were removed- each program course selected is essential to program competency mastery.
- Concentrator courses are designated with **
- CTE Internship, Work Based Credit Courses may not be used to count toward completer status.

Program Additions/Deletions:

- Architecture transitioned from the Arts, Entertainment, & Design cluster to the Construction cluster to improve alignment with the national CTE crosswalk.
- Mechanical Design transitioned from the Arts, Entertainment, & Design cluster to the Advanced Manufacturing cluster to improve alignment with the national CTE crosswalk.
- A new Digital Imaging Design program is created to incorporate existing courses into a more streamlined program.

Program Proposals:

Digital Arts**CIP Code: 500102****4 Credit Completer**

Digital Arts 1 **

Digital Arts 2**

Digital Arts 3

Digital Arts 4

Notes: Program name updated for better alignment with CIP code, course titles, and industry expectations.

CIP Code Definition: A general, undifferentiated program that focuses on the use of computerized digital images as the primary medium of expression in the visual and performing arts, and that may prepare individuals for a wide variety of careers using new media, including graphic design, digital animation, motion graphics, 3D visualization, game and interactive media design, music and sound design, video production, web design, photography, and other fields

Digital Imaging Design**CIP Code: 100303****3 Credit Completer**

Digital Multimedia **

Image Editing **

Digital Publication Design

Notes: This new program will incorporate existing courses into a more defined program aligned with current and emerging labor market trends, industry expectations, and postsecondary opportunities.

CIP Code Definition: A program that prepares individuals to apply technical knowledge and skills to the layout, design and typographic arrangement of printed and/or electronic graphic and textual products. Includes instruction in printing and lithographic equipment and operations, computer hardware and software, digital imaging, print preparation, page layout and design, desktop publishing, and applicable principles of graphic design and web page design.

Fashion Design and Apparel Construction	CIP Code: 500407	3 Credit Completer
Fashion Design and Apparel Construction 1 **		
Fashion Design and Apparel Construction 2 **		
Third course chosen from:		
• Entrepreneurship • Fashion Marketing		

Notes:

- This program absorbs the former Fashion, Fabric, & Design program to eliminate duplicated standards.
- Entrepreneurship and Fashion Marketing are designated as the third course option as they are the courses most closely aligned to this program.

Graphic Communications	CIP Code: 100301	4 Credit Completer
Graphic Communications 1 **		
Graphic Communications 2 **		
Graphic Communications 3		
Graphic Communications 4		

Interior Design	CIP Code: 500408	3 Credit Completer
Interior Design 1**		
Interior Design 2**		
Third course chosen from:		
• Architecture 1 • Marketing		

Notes:

- This program absorbs the Housing & Interiors program previously in the Education Cluster to eliminate duplicated standards.
- Architecture 1 and Marketing are designated as the third course option as they are the courses most closely aligned to this program.

Media Technology

CIP Code: 100299

4 Credit Completer

Media Technology 1**

Media Technology 2**

Media Technology 3

Media Technology 4

Construction

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Please Note:

- Each course was intentionally selected to ensure mastery of program competencies and alignment with labor market needs, industry expectations, and postsecondary pathways.
- Complimentary courses were removed- each program course selected is essential to program competency mastery.
- Concentrator courses are designated with **
- CTE Internship, Work Based Credit Courses may not be used to count toward completer status.
- Introduction to Construction may not be counted toward concentrator or completer status, as it is a survey course and does not meet Perkins V requirements.

Program Additions/Deletions:

- Cabinetmaking is recommended for sunsetting due to sustained low enrollment and the opportunity to strategically realign resources toward higher demand, more engaging programs that better meet student and workforce needs.
- The Architecture program, previously located in Arts, Entertainment, & Design, transitioned to this cluster to improve alignment with the national CTE crosswalk.

Program Proposals:

Architecture

CIP Code: 040201

3 Credit Completer

Architecture Design 1**

Architecture Design 2**

Third course chosen from:

- (Planned) Architecture Design 3
- Project Management

Notes:

- Architecture transitioned to the Construction Cluster to better align with the national CTE Crosswalk.
- CIP code was updated for better alignment with course standards.
- Architecture Design 3 will be created to complete the curriculum needed to build the core technical competencies of the program.

CIP Code Definition: A program that prepares individuals for the independent professional practice of architecture and to conduct research in various aspects of the field. Includes instruction in architectural design, history, and theory; building structures and environmental systems; project and site planning; construction; professional responsibilities and standards; and related cultural, social, economic, and environmental issues.

Building Construction Technology

CIP Code: 460000

4 Credit Completer

Building Construction 1 **
Building Construction 2**
Building Construction 3
Building Construction 4

Notes:

- Introduction to Construction may not be counted toward concentrator or completer status, as it is a survey course and does not meet Perkins V requirements.

Carpentry

CIP Code: 460201

4 Credit Completer

Carpentry 1 **
Carpentry 2 **
Carpentry 3
Carpentry 4

Notes:

- The option to become a completer with Architectural Design courses was removed for a more streamlined program aligned with the CIP code.
- Introduction to Construction may not be counted toward concentrator or completer status, as it is a survey course and does not meet Perkins V requirements.

CIP Code Definition: A program that prepares individuals to apply technical knowledge and skills to lay out, cut, fabricate, erect, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations and roughing-in, finish carpentry techniques, and applicable codes and standards.

Electrical Line Worker Technology

CIP Code: 460303

4 Credit Completer

Electrical Line Worker 1 **
Electrical Line Worker 2 **
Electrical Line Worker 3
Electrical Line Worker 4

Electricity

CIP Code: 460302

4 Credit Completer

Electricity 1 **
Electricity 2 **
Electricity 3
Electricity 4

Notes: Introduction to Construction may not be counted toward concentrator or completer status, as it is a survey course and does not meet Perkins V requirements.

HVAC/R Technology**CIP Code: 470201****4 Credit Completer**

HVAC/R Technology 1 **

HVAC/R Technology 2 **

HVAC/R Technology 3

HVAC/R Technology 4

Notes: Introduction to Construction may not be counted toward concentrator or completer status, as it is a survey course and does not meet Perkins V requirements.

Masonry**CIP Code: 460101****4 Credit Completer**

Masonry 1**

Masonry 2**

Masonry 3

Masonry 4

Notes: Introduction to Construction may not be counted toward concentrator or completer status, as it is a survey course and does not meet Perkins V requirements.

Plumbing**CIP Code: 460503****4 Credit Completer**

Plumbing 1 **

Plumbing 2 **

Plumbing 3

Plumbing 4

Notes: Introduction to Construction may not be counted toward concentrator or completer status, as it is a survey course and does not meet Perkins V requirements.

Digital Technology

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- Complimentary courses were removed- each program course selected is essential to program competency mastery.
- Concentrator courses are designated with **
- CTE Internship, Work Based Credit Courses may not be used to count toward completer status.

Program Additions/Deletions:

- The Informatics program is recommended for sunseting due to low enrollment, misalignment with current labor market demand, and the opportunity to better serve students through more relevant, streamlined programs.
- The Artificial Intelligence program is added to meet current needs.

Program Proposals:

Artificial Intelligence**CIP Code:110102****4 Credit Completer**

Introduction to Artificial Intelligence**

Artificial Intelligence Applications**

(Planned) Advanced Artificial Intelligence Applications

(Planned) Artificial Intelligence Capstone

Notes: This is a new program that is currently being piloted due to changes occurring in business, industry, military, and post-secondary.

Computer Science**CIP Code: 110701****4 Credit Completer**

PLTW-Computer Science Essentials**

PLTW-Cybersecurity**

Third course chosen from:

- PLTW-Computer Science Principles **or** AP Computer Science Principles
- PLTW-Computer Science A **or** AP Computer Science A
- IGCSE Computer Science

Notes: Program name changed to remove vendor reference.

Cybersecurity

CIP Code: 111003

3 Credit Completer

Fundamentals of Cybersecurity**

Advanced Cybersecurity**

Networking Fundamentals

Notes:

- Networking Fundamentals is the third course as it prepares students for certification testing and post-secondary readiness.
- Name change from Computer and Information Systems Security/Information Assurance to Cybersecurity for better alignment with industry expectations and postsecondary opportunities.

Information Support and Services

CIP Code: 151202

3 Credit Completer

Computer Repair and Service**

Advanced Computer Repair and Service**

Networking Fundamentals

Notes: These courses are selected as they are essential to develop the core technical knowledge and skills of the program.

Game and Interactive Media Design

CIP Code: 500411

3 Credit Completer

Foundations of Animation**

Game Design and Development**

Advanced Animation

Notes: Strategic course selection allows for a direct path to completion, reducing the number of required credits from 4 to 3, while still developing the core technical knowledge and skills of the program.

Networking Systems

CIP Code: 110901

3 Credit Completer

Networking Fundamentals**

Advanced Networking**

Fundamentals of Cybersecurity

Notes: These courses are selected as they are essential to develop the core technical knowledge and skills of the program.

Programming and Software Development

CIP Code: 110201

3 Credit Completer

Level 1 Computer Programming (any language) **

Level 2 Computer Programming (any language) **

Third course chosen from:

- AP Computer Science Principles
- AP Computer Science A
- Cybersecurity Fundamentals

Notes:

- Level 1 Computer Programming includes Introduction to Computer Programming, Computer Programming 1 with Java, Visual Basic, Java, or Swift.
- Level 2 Computer Programming includes Intermediate Computer Programming, Computer Programming 2 with Java, Visual Basic, or Swift.

Web Based Communications**CIP Code:110801****3 Credit Completer**

Fundamentals of Webpage Design & Development**

Advanced Webpage Design & Development**

Digital Multimedia

Notes: Program name updated for better alignment with CIP code and industry expectations.

Education

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Please Note:

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- Complimentary courses were removed- each program course selected is essential to program competency mastery.
- Concentrator courses are designated with **
- CTE Internship, Work Based Credit Courses may not be used to count toward completer status.
- Each program has changed to a 3-credit completer due to strategic course selection that allows for a direct path to completion.

Program Additions/Deletions:

- The Family and Mental Health program is recommended for sunseting due to low enrollment, misalignment with current labor market demand, and the opportunity to better serve students through more relevant, streamlined programs.
- Three new programs- Foods, Nutrition, and Family Services, Human Development and Parenting, and Teacher Education- will incorporate existing courses into more streamlined programs aligned to the CIP codes.
- The Early Childhood Education and Introduction to Teaching programs were merged into a more streamlined Teacher Education program.
- Fashion, Fabric, & Design courses are absorbed into the Fashion Design & Apparel program located in the Arts, Entertainment, & Design cluster.
- Housing and Interiors courses are absorbed into the Interior Design program located in the Arts, Entertainment, & Design cluster.

Program Proposals:

Family and Consumer Sciences

CIP Code: 190101

3 Credit Completer

Family and Consumer Sciences 1 **

Family and Consumer Sciences 2 **

Financial Fitness

Notes: This new program will incorporate existing courses into a more defined program aligned with current and emerging labor market trends, industry expectations, and postsecondary opportunities.

Foods, Nutrition, and Family Services**CIP Code:190599****3 Credit Completer**

Foods and Nutrition 1 **
Foods and Nutrition 2 **
Family Life Education

Notes: This new program will incorporate existing courses into a more defined program aligned with current and emerging labor market trends, industry expectations, and postsecondary opportunities.

Cip Code Definition: Any instructional program in foods, nutrition, and related services.

Human Development and Parenting**CIP Code: 190701****3 Credit Completer**

Child Development 1 **
Child Development 2**
Parenting Education

Notes: This new program will incorporate existing courses into a more defined program aligned with current and emerging labor market trends, industry expectations, and postsecondary opportunities.

CIP Code Definition: A general program that focuses on basic human developmental and behavioral characteristics of the individual within the context of the family. Includes instruction in the conditions that influence human growth and development; strategies that promote growth and development across the life span; and the study of family systems.

Teacher Education**CIP Code: 131206****3 Credit Completer**

Introduction to Teacher Education **
Education 1 **
Education 2

Notes: Early Childhood Education and Introduction to Teaching courses are combined as they share the same standards. This new program streamlines existing courses into a defined program.

CIP Code Definition: A program that prepares individuals to teach students at more than one educational level, such as a combined program in elementary/secondary, early childhood/elementary, elementary/middle school, or junior high/high school teacher education.

Energy & Natural Resources

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- Complimentary courses were removed- each program course selected is essential to program competency mastery.
- Concentrator courses are designated with **
- CTE Internship, Work Based Credit Courses may not be used to count toward completer status.

Program Proposals:

Clean Energy Clean Energy Systems (Course 1)** Clean Energy Applications (Course 2) ** Clean Energy Strategies (Course 3) Clean Energy Innovations (Course 4)	CIP Code: 149999	4 Credit Completer
Environmental & Natural Resource Management Agricultural Science and Technology** Environmental & Natural Resources Management** 3 rd and 4 th courses chosen from: • Agribusiness & Marketing • Agricultural Mechanics & Technology • Aquaculture • Biosystems Mechanics & Engineering • Equipment Operation & Maintenance • Forestry • Outdoor Recreation • Soil & Soiless Research • Soil & Water Conservation • Wildlife Management • Agricultural Experiences Capstone	CIP Code: 030101	4 Credit Completer

Notes: Agricultural Experiences Capstone course will be created to complete the curriculum needed to build the core technical competencies of the program.

Innovations in Science & Technology**CIP Code: 410000****4 Credit Completer**

The Nature of Science and Technology**

Core Applications of Science and Technology **

Impacts of Science and Technology

Creativity in Innovations

Financial Services

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Please Note:

- Each course was intentionally selected to ensure mastery of program competencies and alignment with labor market needs, industry expectations, and postsecondary pathways.
- Complimentary courses were removed- each program course selected is essential to program competency mastery.
- Accounting 1 has been added as the foundational course for all Financial Services Programs.
- Concentrator courses are designated with **
- CTE Internship, Work Based Credit Courses may not be used to count toward completer status.

Program Additions/Deletions:

- The Academy of Finance and Business Finance programs are recommended for sunseting due to low enrollment and the opportunity to strategically realign resources toward higher demand, more engaging programs that better meet student and workforce needs.
- A new Business and Personal/Financial Services program has been created to replace the Business Finance program.

Program Proposals:

Accounting

CIP Code: 520301

3 Credit Completer

Accounting 1**

Accounting 2**

Third course chosen from:

- Advanced Personal Finance
- Business Finance

Notes: Advanced Personal Finance and Business Finance are designated as the third course options as they are the courses most closely aligned to this program.

Banking Services

CIP Code: 520803

3 Credit Completer

Accounting 1**

Business Finance**

Banking Services

Notes: Banking Services is the 3rd course as it is essential to develop the core technical knowledge and skills of the program.

Business and Personal/Financial Services**CIP Code: 521908****3 Credit Completer**

Accounting 1**

Advanced Personal Finance**

Business Finance

Notes: This new program streamlines existing courses into a defined program.

CIP Code Definition: A program that prepares individuals to perform marketing and operational tasks associated with the provision of personal and financial services. Includes instruction in banking, marketing research, advertising, promotional campaign organization, insurance, media relations, and applicable technical and administrative skills.

Insurance**CIP Code: 521701****3 Credit Completer**

Accounting 1**

Business Finance**

Insurance and Risk Management

Notes: Business Finance and Insurance and Risk Management are the courses most closely associated with the CIP Code Definition.

Securities and Investments**CIP Code: 520807****3 Credit Completer**

Accounting 1**

Business Finance**

Securities and Investments

Notes: Business Finance and Securities and Investments are the courses most closely associated with the CIP Code Definition.

Healthcare & Human Services

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- Complimentary courses were removed- each program course selected is essential to program competency mastery.
- Concentrator courses are designated with **
- CTE Internship, Work Based Credit Courses may not be used to count toward completer status.

Program Additions/Deletions:

- The Food Science and Practical Nursing programs are recommended for sunseting due to low enrollment and the opportunity to strategically realign resources toward higher demand, more engaging programs that better meet student and workforce needs.

Program Proposals:

Barber/Master Hair Care	CIP Code: 120402	8 Credit Completer
Barber/Master Hair Care 1**		
Barber/Master Hair Care 2**		
Barber/Master Hair Care 3		
Barber/Master Hair Care 4		

Biomedical Sciences	CIP Code: 260102	3 Credit Completer
PLTW-Human Body Systems **		
PLTW-Principles of Biomedical Sciences **		
PLTW-Medical Interventions		

Notes:

- The courses for this program are selected as they are essential to develop the core technical knowledge and skills of the program.
- The program name was changed to remove vendor reference.

Cosmetology	CIP Code: 120401	8 Credit Completer
Cosmetology 1 **		
Cosmetology 2 **		
Cosmetology 3		
Cosmetology 4		

EMS	CIP Code: 510999	3 Credit Completer
Emergency Medical Services 1 **		
Emergency Medical Services 2 **		
Emergency Medical Services 3		

Notes: The courses for this program are selected as they are essential to program competency mastery.

Esthetics	CIP Code: 120409	5 Credit Completer
Esthetics 1 **		
Esthetics 2 **		
Esthetics 3		
Esthetics 4		
Esthetics 5		

Healthcare Science	CIP Code: 510000	3 Credit Completer
Healthcare Science 1-Foundations of Healthcare Professionals**		
Healthcare Science 2-Essential Healthcare Practices **		
Third course chosen from:		
• Healthcare Science-Human Structure, Function and Disease		
• Medical Terminology		

Notes: Healthcare Science-Human Structure, Function and Disease and Medical Terminology are designated as the third course options as they are essential to develop the core technical knowledge and skills of the program.

Nail Technology	CIP Code: 120410	3 Credit Completer
Nail Technology 1**		
Nail Technology 2**		
Nail Technology 3		

Natural Hair Braiding	CIP Code: 120407	3 Credit Completer
Introduction to Natural Hair Braiding**		
Natural Hair Braiding 1 **		
Natural Hair Braiding 2		

Notes: The courses for this program are selected as they are essential to program competency mastery.

Public Health	CIP Code: 512208	3 Credit Completer
Foundations of Public Health**		
Advanced Principles of Public Health**		
Public Health Capstone		

Notes: The courses for this program are selected as they are essential to program competency mastery.

Sports Medicine**CIP Code: 510913****3 Credit Completer**

Sports Medicine 1**

Sports Medicine 2**

Sports Medicine 3

Notes:

- The courses for this program are selected as they are essential to program competency mastery.
- CIP code was updated for better alignment with course standards.

CIP Code Definition: A program that prepares individuals to work in consultation with, and under the supervision of physicians to prevent and treat sports injuries and associated conditions. Includes instruction in the identification, evaluation, and treatment of athletic injuries and illnesses; first aid and emergency care; therapeutic exercise; anatomy and physiology; exercise physiology; kinesiology and biomechanics; nutrition; sports psychology; personal and community health; knowledge of various sports and their biomechanical and physiological demands; and applicable professional standards and regulations

Hospitality, Events & Tourism

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- Complimentary courses were removed- each program course selected is essential to program competency mastery.
- Concentrator courses are designated with **
- CTE Internship, Work Based Credit Courses may not be used to count toward completer status.
- The three new programs- Culinary Arts/Chef Training, Hospitality and Tourism and Meeting and Event Planning- will incorporate existing courses into more streamlined programs aligned with the CIP code.

Program Proposals:

Baking and Pastry

CIP Code: 120501

4 Credit Completer

Baking and Pastry 1 **

Baking and Pastry 2 **

Advanced Baking and Pastry 1

Advanced Baking and Pastry 2

Notes: The current two credit Baking and Pastry course will be separated into two 1 credit courses: Baking and Pastry 1 and Baking and Pastry 2. The same will be true for Advanced Baking and Pastry- it will be separated into two 1 credit courses: Advanced Baking and Pastry 1 and Advanced Baking and Pastry 2. This change is to satisfy the Perkins 5 requirements for concentrator courses.

Culinary Arts Management

CIP Code: 520905

4 Credit Completer

Culinary Arts Management 1 **

Culinary Arts Management 2 **

Culinary Arts Management 3

Culinary Arts Management 4

Notes: Culinary Arts Management courses will be offered for 1 credit (only). Previous two credit Culinary Arts Management courses will be separated into two 1 credit courses. This satisfies the Perkins 5 requirement for concentrator courses.

Culinary Arts/Chef Training

CIP Code: 120503

4 Credit Completer

Culinary Arts Management 1 **

Baking and Pastry 1**

Culinary Arts Management 2

Baking and Pastry 2

Notes: This new program will create a program to master a wide variety of cuisines and culinary techniques aligned with current and emerging labor market trends, industry expectations, and postsecondary opportunities.

CIP Code Definition: A program that prepares individuals to provide professional chef and related cooking services in restaurants and other commercial food establishments. Includes instruction in recipe and menu planning, preparing and cooking of foods, supervising and training kitchen assistants, the management of food supplies and kitchen resources, aesthetics of food presentation, and familiarity or mastery of a wide variety of cuisines and culinary techniques.

Hospitality and Tourism Management	CIP Code: 520901	3 Credit Completer
Introduction to Hospitality and Tourism Management**		
Lodging Management**		
Travel and Tourism Management		

Notes: This new program will incorporate existing courses into a more defined program aligned with current and emerging labor market trends, industry expectations, and postsecondary opportunities.

CIP Code Definition: A program that prepares individuals to serve as general managers and directors of hospitality operations on a system-wide basis, including both travel arrangements and promotion and the provision of traveler facilities. Includes instruction in principles of operations in the travel and tourism, hotel and lodging facilities, food services, and recreation facilities industries; hospitality marketing strategies; hospitality planning; management and coordination of franchise and unit operations; business management; accounting and financial management; hospitality transportation and logistics; and hospitality industry policies and regulations.

Meeting and Event Planning	CIP Code: 520907	3 Credit Completer
Introduction to Hospitality and Tourism Management**		
Event and Entertainment Management**		
Sports and Entertainment Management		

Notes: This new program will incorporate existing courses into a more defined program aligned with current and emerging labor market trends, industry expectations, and postsecondary opportunities.

CIP Code Definition: A program that prepares individuals to plan, budget, and implement conferences, meetings, and other special events in the public or private sectors. Includes instruction in principles of meeting and event planning; special event management; budgets and finance; site selection; contracts, vendors, and negotiations; marketing and promotions; food and beverage management; audio-visual basics and meeting technology; and hospitality law.

Management & Entrepreneurship

Reminder: The goal of Perkins V is to ensure that CTE programs of study function like funnels, starting out with exploration and leading to certification without duplicating any content along the way.

Please Note:

- Each course was intentionally selected to ensure mastery of program competencies and alignment with labor market needs, industry expectations, and postsecondary pathways.
- Complimentary courses were removed- each program course selected is essential to program competency mastery.
- Concentrator courses are designated with **
- CTE Internship, Work Based Credit Courses may not be used to count toward completer status.

Program Additions/Deletions:

- The Business Information Management and Operations Management programs are recommended for sunsetting due to sustained low enrollment and the opportunity to strategically realign resources toward higher demand, more engaging programs that better meet student and workforce needs.
- The General Management program is recommended for sunsetting due to overlapping courses in other programs-new specialized programs have been created.
- Three new programs- International Business Management, Business Law, and Entrepreneurship- will incorporate existing courses into a more streamlined program aligned with the CIP code.

Program Proposals:

Business Law

CIP Code: 529999

3 Credit Completer

Fundamentals of Business, Marketing, and Finance**

Business Law **

Advanced Business Law

Notes: This new program will incorporate existing courses into a more defined program aligned with current and emerging labor market trends, industry expectations, and postsecondary opportunities.

Human Resources

CIP Code: 521001

3 Credit Completer

Fundamentals of Human Resource Management**

Business Law **

Business Principles and Management

Notes: This new program will incorporate existing courses into a more defined program aligned with current and emerging labor market trends, industry expectations, and postsecondary opportunities.

Entrepreneurship**CIP Code: 520701****3 Credit Completer**

Fundamentals of Business, Marketing, and Finance **

Entrepreneurship **

Third course chosen from:

- Professional and Leadership Development
- Virtual Enterprise

Notes: Program created to incorporate existing courses into a more streamlined program. Professional and Leadership Development and Virtual Enterprise are designated as the third course option as they are the courses most closely aligned to this program.

International Business Management**CIP Code: 521101****3 Credit Completer**

Fundamentals of Business, Marketing, and Finance**

Business Principles and Management **

International Business

Notes: This new program will incorporate existing courses into a more defined program aligned with current and emerging labor market trends, industry expectations, and postsecondary opportunities.

Office Management & Supervision**CIP Code: 520204****3 Credit Completer**

Workplace Communications**

Digital Workplace Applications **

Administrative Support Technology

Notes: Program name updated for better alignment with CIP code, course titles, and industry expectations.

Marketing & Sales

Reminder: The goal of Perkins V is to ensure that CTE programs of study function like funnels, starting out with exploration and leading to certification without duplicating any content along the way.

Please Note:

- Each course was intentionally selected to ensure mastery of program competencies and alignment with labor market needs, industry expectations, and postsecondary pathways.
- Complimentary courses were removed- each program course selected is essential to program competency mastery.
- Concentrator courses are designated with **
- CTE Internship, Work Based Credit Courses may not be used to count toward completer status.

Program Additions/Deletions:

- Marketing Analytics is recommended for sunseting due to low enrollment, misalignment with current labor market demand, and the opportunity to better serve students through more relevant, streamlined programs.
- A new Sports and Entertainment Marketing program will incorporate existing courses into a more streamlined program.

Program Proposals:

Digital Marketing	CIP Code: 521404	3 Credit Completer
Marketing **		
Social Media Marketing or Digital Media Marketing **		
Third course chosen from:		
• Advertising • Digital Media Marketing		

Notes:

- Changed the name (to Digital Marketing) and CIP code to match national CTE standards.
- Advertising and Digital Media Marketing are designated as third course options as they are the courses most closely aligned to this program.

Marketing Management	CIP Code: 521401	3 Credit Completer
Marketing **		
Marketing Management **		
Third course chosen from:		
• Accounting 1 • Business Finance		

Notes: Accounting 1 and Business Finance are designated as the third course options as they are the courses most closely aligned to this program.

Merchandising**CIP Code: 521802****3 Credit Completer**

Marketing **

Merchandising**

Third course chosen from:

- Fashion Marketing
- Marketing Analytics

Notes: Fashion Marketing and Marketing Analytics are designated as the third course option as they are the courses most closely aligned to this program.

Real Estate**CIP Code: 521501****3 Credit Completer**

Marketing **

Fundamentals of Real Estate Practice**

Advanced Real Estate Practice

Notes: These courses are selected as they are essential to develop the core technical knowledge and skills of the program.

Sports and Entertainment Marketing**CIP Code: 521399****3 Credit Completer**

Sports and Entertainment Marketing **

Sports and Entertainment Management**

Third course chosen from:

- Accounting
- Business Finance
- Project Management

Notes:

- This new program will incorporate existing courses into a more defined program aligned with current and emerging labor market trends, industry expectations, and postsecondary opportunities.
- Accounting 1, Business Finance, and Project Management are designated as third course options as they are the courses most closely aligned to this program.

Public Safety & Security

Reminder: The goal of Perkins V is to ensure that CTE programs of study function like funnels, starting out with exploration and leading to certification without duplicating any content along the way.

Please Note:

- Each course was intentionally selected to ensure mastery of program competencies and alignment with labor market needs, industry expectations, and postsecondary pathways.
- Complimentary courses were removed- each program course selected is essential to program competency mastery.
- Concentrator courses are designated with **
- CTE Internship, Work Based Credit Courses may not be used to count toward completer status.

Program Additions/Deletions:

- The Public Management and Administration and Governance programs are recommended for sunseting due to low enrollment, misalignment with current labor market demand, and the opportunity to better serve students through more relevant, streamlined programs.
- The Paralegal Systems Technology program is recommended for sunseting due to low enrollment and the opportunity to strategically realign resources toward higher demand, more engaging programs that better meet student and workforce needs.

Program Proposals:

Air Force JROTC Air Force JROTC 1 ** Air Force JROTC 2 ** Air Force JROTC 3 Air Force JROTC 4	CIP Code: 280101	4 Credit Completer
Army JROTC Army JROTC 1 ** Army JROTC 2 ** Army JROTC 3 Army JROTC 4	CIP Code: 280301	4 Credit Completer
Coast Guard JROTC Coast Guard JROTC 1 ** Coast Guard JROTC 2 ** Coast Guard JROTC 3 Coast Guard JROTC 4	CIP Code: 280505	4 Credit Completer

Marine JROTC	CIP Code: 280401	4 Credit Completer
Marine JROTC 1 **		
Marine JROTC 2 **		
Marine JROTC 3		
Marine JROTC 4		

Navy JROTC	CIP Code: 280499	4 Credit Completer
Navy JROTC 1 **		
Navy JROTC 2 **		
Navy JROTC 3		
Navy JROTC 4		

Space Force JROTC	CIP Code: 280502	4 Credit Completer
Space Force JROTC 1 **		
Space Force JROTC 2 **		
Space Force JROTC 3		
Space Force JROTC 4		

Law Enforcement Services	CIP Code: 430107	3 Credit Completer
Law Enforcement Services 1 **		
Law Enforcement Services 2 **		
(Planned) Law Enforcement Services 3		

Notes: Law Enforcement 3 will be created to complete the curriculum needed to build the core technical competencies of the program.

Emergency and Fire Management Services	CIP Code: 430203	3 Credit Completer
Firefighter 1 **		
Firefighter 2 **		
Firefighter 3		

Notes: The courses for this program are selected as they are essential to program competency mastery.

Supply Chain & Transportation

Reminder: The goal of Perkins V is to ensure that CTE programs of study function like funnels, starting out with exploration and leading to certification without duplicating any content along the way.

Please Note:

- Each course was intentionally selected to ensure mastery of program competencies and alignment with labor market needs, industry expectations, and postsecondary pathways.
- Complimentary courses were removed- each program course selected is essential to program competency mastery.
- Concentrator courses are designated with **
- CTE Internship, Work Based Credit Courses may not be used to count toward completer status.

Program Proposals:

Automotive Collision Repair Technology Automotive Collision Repair Technology 1 ** Automotive Collision Repair Technology 2 ** Automotive Collision Repair Technology 3 Automotive Collision Repair Technology 4	CIP Code: 470603	4 Credit Completer
Automotive and Hybrid/BEV Technology Automotive Technology 1 ** Automotive Technology 2 ** Automotive Technology 3 Automotive Technology 4	CIP Code: 470604	4 Credit Completer
Commercial Vehicle Operation or Commercial Driving License Operation Commercial Driving License 1 ** Commercial Driving License 2 ** Commercial Driving License 3 Commercial Driving License 4	CIP Code: 490205	4 Credit Completer
Diesel Technology Diesel Technology 1 ** Diesel Technology 2 ** Diesel Technology 3 Diesel Technology 4	CIP Code: 470605	4 Credit Completer

Notes: Program name updated for better alignment with CIP code, course content, and industry expectations.

Drone Technology**CIP Code: 490109****3 Credit Completer**

Drone Technologies 1: Theory and Aeronautical Basics**

Drone Technologies 2: Theory and Design **

Drone Technologies 3: Learn to Fly

Global Logistics and Supply Chain Management**CIP Code: 520203****4 Credit Completer**

Introduction to Logistics **

Functional Areas in Logistics**

Global Logistics Management

Logistics in Supply Chain Management

Power Equipment Technology**CIP Code: 470606****4 Credit Completer**

Power Equipment Technology 1 **

Power Equipment Technology 2 **

Power Equipment Technology 3

Power Equipment Technology 4