



Proposed CTE Standards

Amy Miller – Career and Technical Education Director

A statewide update to every CTE standard

Workgroups comprised of over 200 South Dakotans have reviewed and revised course standards and sub-indicators across all CTE Clusters.

- The work retains the strength of South Dakota's existing standards while adopting the structure of the Modernized National Career Clusters Framework.
- Revisions connect learning to high-demand careers and prepare all students for postsecondary education, military service, apprenticeships, and the workforce.
- Programs continue to combine academic knowledge, technical skills, essential skills, hands-on application, and work-based learning.



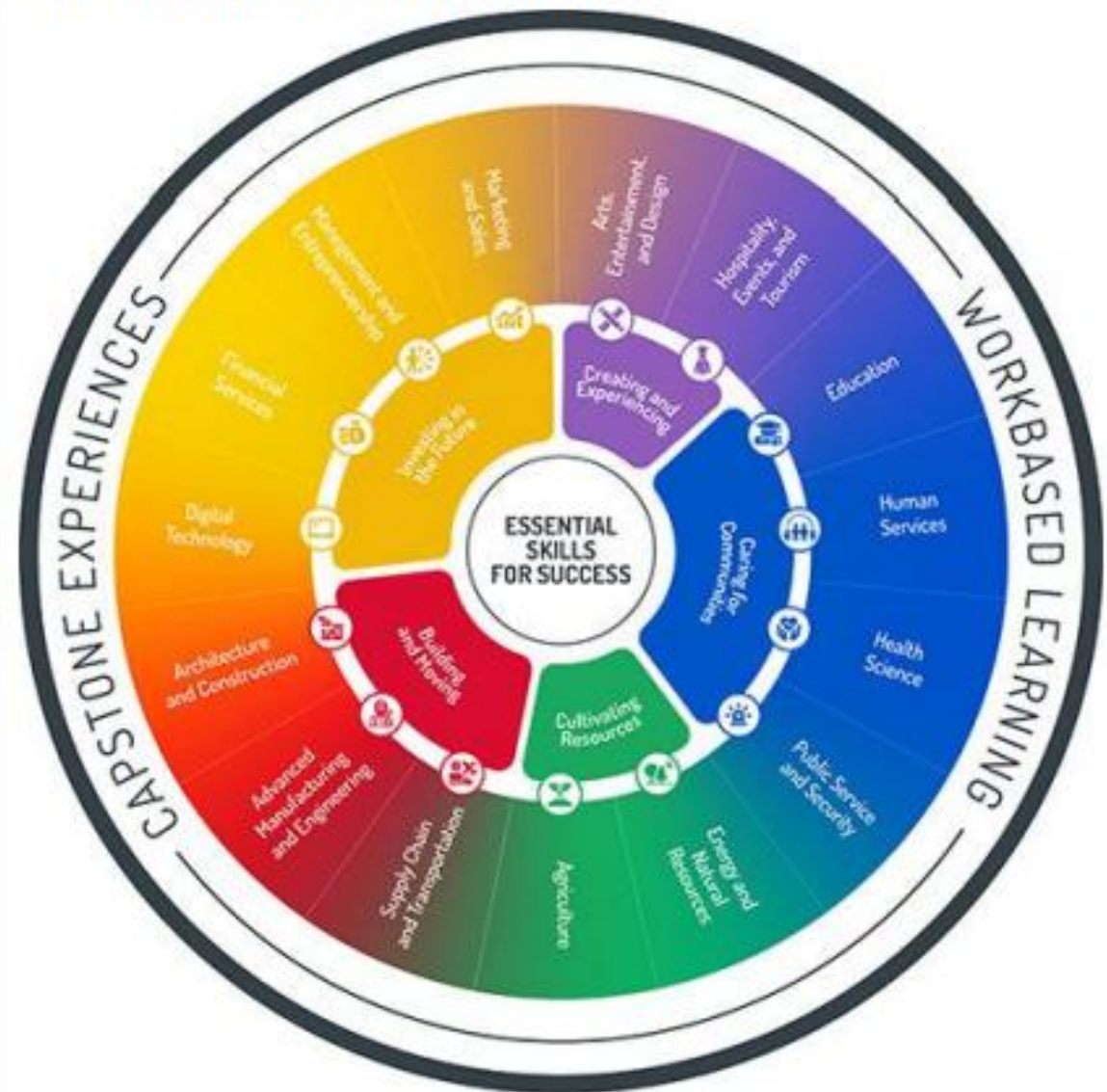
All Career Clusters
All CTE courses
One shared vision

Modernized Career Cluster Framework

Previous Framework



SD's Modernized Framework



Revision Work at a Glance

June 2025 to June 2026

Educators, administrators, school counselors, postsecondary partners, and business and industry representatives from South Dakota shaped the proposed standards.

200+

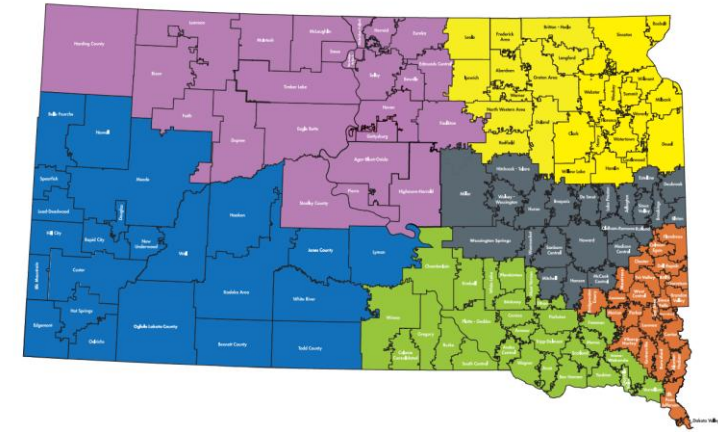
stakeholders

18

standards
workgroups

2–4

workdays per team



All CTE regions
represented

Criteria that guided every revision

- Research-based and informed by current education and industry practice.
- Rigorous progression of technical knowledge and skill.
- Responsive to workforce needs, new technologies, and future careers.
- Aligns with postsecondary education, apprenticeships, military service, and careers.
- Integrates technical, academic, and essential skills.
- Builds from career exploration through capstone experiences.
- Supports authentic hands-on and work-based learning.
- Flexible enough to adapt as industries evolve.

Revision process

1

Framework review

DOE/CTE staff compared the previous and modernized frameworks, identified transition needs, and examined statewide workforce priorities.

2

Course-sequence review

CTE specialists updated course sequences, addressed gaps, and identified opportunities for new courses and programming.

3

Statewide recruitment

A virtual application and direct outreach, built teams representing secondary and postsecondary education, business and industry, administrators, counselors, and other stakeholders.

4

Stakeholder survey

All stakeholders were given an opportunity to offer feedback on standards and skill levels, what to retain, revise, or remove, and suggest new topics and courses.

5

Eighteen workgroups

Teams for each cluster studied survey ratings, current practices, and emerging needs to suggest improvements during two to four days of collaborative review.

6

One coherent proposal

DOE/CTE staff synthesized recommendations, finalized standards, and submitted them to the Board of Education Standards for public review and action.

Essential Skills for Success



Employers consistently identify transferable personal and professional skills as essential to success.

- The standards are embedded throughout every Career Cluster rather than housed in one stand-alone course.
- Students practice these skills through classrooms, labs, shops, work-based learning, and Career and Technical Student Organizations.
- Educators can reinforce the competencies most relevant to their program and students.



Sequence of Course Documents

- The cover page of each cluster in the proposed standards

APPROVED CLUSTER COURSES

ENGINEERING AND ROBOTICS PATHWAY

13001 Introduction to Manufacturing
21051 Introduction to Technology Skills and Application
21001 Introduction to Engineering
21007 Engineering Design & Development
21009 Robotics
21102 Fundamentals of Drafting and Design
21103 Architectural Drafting and Design
21106 Mechanical Drafting & Design
17106 Electronics
21017 PLTW Introduction to Engineering Design
21018 PLTW Principles of Engineering
21019 PLTW Aerospace Engineering
21021 PLTW Civil Engineering & Architecture
21022 PLTW Computer Integrated Manufacturing
21023 PLTW Digital Electronics
21024 PLTW Environmental Sustainability
21025 PLTW Engineering Design & Development
21025 PLTW Engineering Design & Development
21026 PLTW Engineering Essentials

WELDING AND PRECISION MACHINING PATHWAY

21051 Introduction to Technology Skills and Application
13001 Introduction to Manufacturing
13203 Machine Tool Technology
13204 Advanced Machine Tooling Technology
13207 Welding Technology
13208 Advanced Welding Technology
18404 Ag Metal Fabrications Technology
18405 Advanced Ag Metal Fabrication Technology
21009 Robotics
21102 Fundamentals of Drafting and Design
21106 Mechanical Drafting & Design

MIDDLE SCHOOL COURSES

21050 Exploring STEM in CTE
21049 MS Robotics
21000 PLTW MS Engineering
22100 Middle School Exploring CTE

FOUNDATIONAL COURSES

22151 Career Exploration
22152 Employability
10004 Workplace Technology
22101 Leadership & Service
19262 Personal Finance

CAPSTONE/WORK-BASED LEARNING

22104 Service Learning Experience
80018 Youth Internship Experience
80019 Senior Experience
80020 Youth Apprenticeship Experience
80026 Entrepreneurship Experience

SUPPORTING CTE COURSES

10005 Business Computer Applications
10251 Computer Hardware & Software
12104 Accounting I
12152 Marketing Strategies

INDUSTRY RECOGNIZED CREDENTIALS

Visit doe.sd.gov/cte/industry.aspx for a full list of industry recognized credentials in this career cluster.

DUAL CREDIT COURSES

Visit the resources section on the ourdakotadreams.com dual credit page.

POST-SECONDARY OPTIONS

Visit sdmylife.com for more information about potential careers in this area and explore colleges and majors to further your education.

CTE CONCENTRATORS

Complete any two approved cluster courses while in high school. Students may be concentrators in multiple clusters.

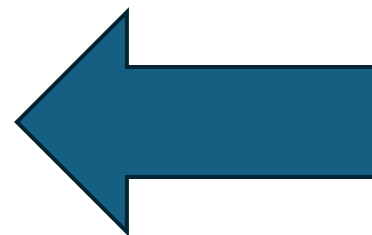
ADVANCED CAREER ENDORSEMENT

Two credits of approved cluster courses from the same cluster and/or capstone courses.
Earn an Industry Recognized Credential.
Complete other Graduation Requirements.

The courses within that specific cluster
– Organized into the certification pathways.

The supporting courses that apply to every cluster

- Middle School Courses
- Foundational Courses
- Capstone Courses



Other Supporting Information

Middle school CTE expands career exploration

A Flexible Starting Point for each District

- May be taught in a variety of ways depending on district needs and priorities.

Standards Focus on:

- Evaluating personal interests and strengths of each student
- Exploring a variety of careers and industries
- Practicing successful use of SD Essential Skills for Success

Each Career Cluster workgroup also identified middle school appropriate exploration tasks to create a library of ideas that districts can use to build a well-rounded middle school program.

Once these standards are adopted, our office plans to support teachers with these additional tools.



Foundational courses create a common starting point

The updated courses support intentional career planning, workforce readiness, digital fluency, leadership, and financial literacy across every Career Cluster.

Career Exploration	Build informed education and career plans
Employability	Align learning with workplace expectations
Workplace Technology Skills	Digital productivity, cybersecurity, and artificial intelligence
Leadership and Service	Collaboration, civic engagement, and professional leadership
Personal Finance	A foundational life skill for every student

Capstone experiences connect work-based learning

Every capstone now includes an industry or community mentor, defined learning goals, documentation of the experience, ongoing reflection, and a public presentation of learning.

Internship Experience

Workplace immersion

Apprenticeship Experience

Alignment with approved
apprenticeship opportunities

Service-Learning Experience

Community needs addressed
through nonprofit and civic
partners



Senior Experience

A mentor-guided project or
product

Entrepreneurship Experience

Development of a business
opportunity

Fifteen Career Clusters

01 **Advanced Manufacturing
and Engineering**

02 **Agriculture**

03 **Architecture and
Construction**

04 **Arts, Entertainment, and
Design**

05 **Digital Technology**

06 **Education**

07 **Energy and Natural
Resources**

08 **Financial Services**

09 **Health Science**

10 **Hospitality, Events, and
Tourism**

11 **Human Services**

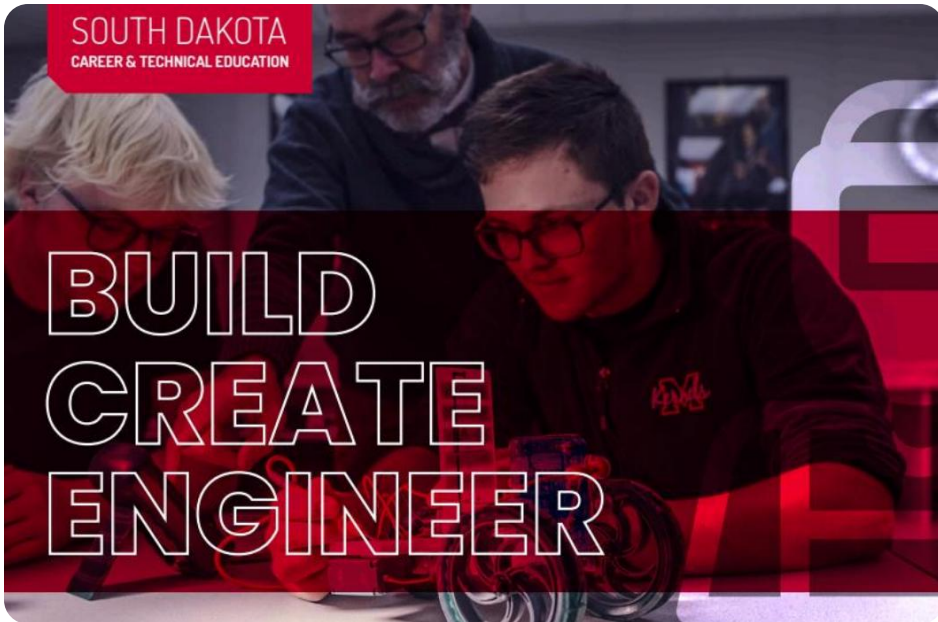
12 **Management and
Entrepreneurship**

13 **Marketing and Sales**

14 **Public Service and Safety**

15 **Supply Chain and
Transportation**

Advanced Manufacturing and Engineering

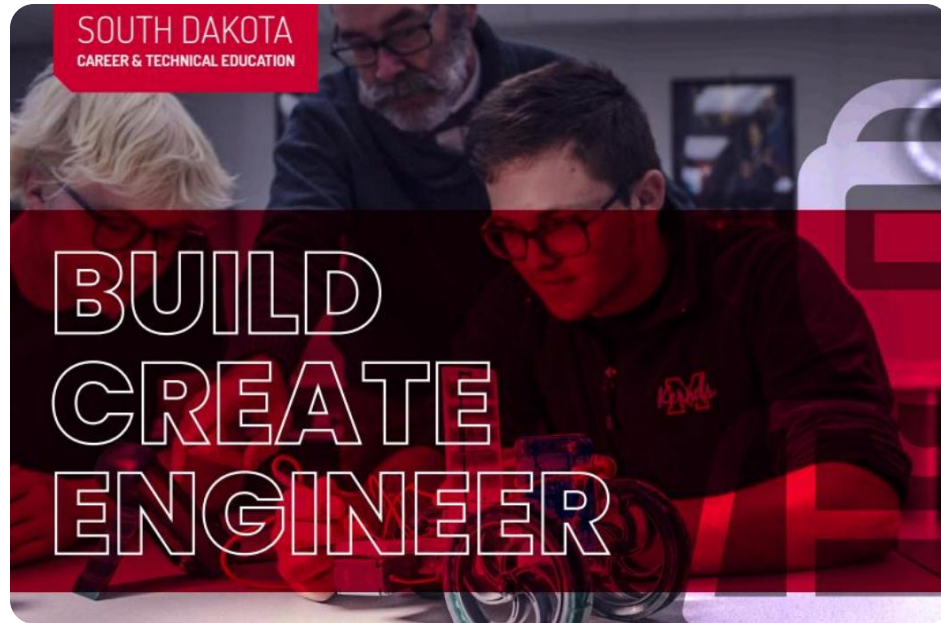


- Standards reflect modern engineering, automation, robotics, welding, and precision machining while emphasizing the highly technical and advanced nature of these fields.
- Instruction focuses on engineering design, systems thinking, technical problem-solving, innovation, technical skills, and workplace safety.

COURSE TITLE CHANGES

13001 - Introduction to Technical Skills and Application

Advanced Manufacturing and Engineering



ENGINEERING AND ROBOTICS PATHWAY

13001 Introduction to Manufacturing

21051 Introduction to Technology Skills and Application

21001 Introduction to Engineering

21007 Engineering Design & Development

21009 Robotics

21102 Fundamentals of Drafting and Design

21103 Architectural Drafting and Design

21106 Mechanical Drafting & Design

17106 Electronics

21017 PLTW Introduction to Engineering Design

21018 PLTW Principles of Engineering

21019 PLTW Aerospace Engineering

21021 PLTW Civil Engineering & Architecture

21022 PLTW Computer Integrated Manufacturing

21023 PLTW Digital Electronics

21024 PLTW Environmental Sustainability

21025 PLTW Engineering Design & Development

21025 PLTW Engineering Design & Development

21026 PLTW Engineering Essentials

WELDING AND PRECISION MACHINING PATHWAY

21051 Introduction to Technology Skills and Application

13001 Introduction to Manufacturing

13203 Machine Tool Technology

13204 Advanced Machine Tooling Technology

13207 Welding Technology

13208 Advanced Welding Technology

18404 Ag Metal Fabrications Technology

18405 Advanced Ag Metal Fabrication Technology

21009 Robotics

21102 Fundamentals of Drafting and Design

21106 Mechanical Drafting & Design

Agriculture



- Coursework adds precision agriculture, emerging technologies, sustainable production, business, entrepreneurship, and technical applications.
- Food science and food processing receive greater emphasis as these areas grow in South Dakota.

Recommended New Courses

18249 **Advanced Agribusiness Management**

Responds to educator demand, student interest, and workforce need. Builds advanced learning in agricultural finance, management, economics, marketing, entrepreneurship, and strategic leadership, with alignment to growing postsecondary opportunities.

18405 **Advanced Ag Metal Fabrication Technology**

Applies advanced welding and fabrication to agricultural equipment, facilities, trailers, structural systems, and infrastructure. Students complete complex projects involving metal forming, blueprint interpretation, precision measurement, troubleshooting, and project planning.

Agriculture



AGRIBUSINESS AND LEADERSHIP PATHWAY

18001 Intro to Ag, Food, and Natural Resources
18202 Agribusiness Management
18249 Advanced Agribusiness Management
18201 Agribusiness Sales & Marketing
18203 Ag Leadership & Communications
18248 Independent Supervised Agriculture Experience

PLANT SYSTEMS PATHWAY

18001 Intro to Ag, Food, and Natural Resources
18051 Fundamental Plant Science
18057 Advanced Plant Science
18052 Fundamental Horticulture
18053 Horticulture Operations
18308 Agriculture Biotechnology
18502 Natural Resource Management
18504 Introduction to Natural Resources
18508 Issues in Environmental Science
18203 Ag Leadership and Communication
18248 Independent Supervised Agricultural Experience

ANIMAL SYSTEMS PATHWAY

18001 Intro to Ag, Food, and Natural Resources
18101 Fundamental Animal Science
18107 Advanced Animal Science
18102 Companion Animals
18302 Ag Processing Technology
19254 Food Science
18501 Wildlife and Fisheries
18308 Agriculture Biotechnology
18203 Ag Leadership and Communication
18248 Independent Supervised Agricultural Experience

AGRICULTURAL MANUFACTURING AND CONSTRUCTION PATHWAY

18001 Intro to Ag, Food, and Natural Resources
18401 Fundamental Ag Mechanical Technologies
18402 Ag Systems Technology
18403 Fundamental Ag Structures Technology
18407 Advanced Ag Structures Technology
18404 Ag Metal Fabrication Technology
18405 Advanced Ag Metal Fabrication Technology
17990 Construction Equipment I
17991 Construction Equipment II
18248 Independent Supervised Agricultural Experience
20107 Diesel Technology
20999- Introduction to CDL Theory

Architecture and Construction



- Revisions respond to statewide shortages in electricians, plumbers, HVAC technicians, and other skilled trades.
- Students gain broader exposure to design, drafting, site work, excavation, blueprint interpretation, estimating, codes, materials, and technical skills.

Recommended New Courses

17057 Building Systems and Infrastructure Management

Introduces electrical, plumbing, HVAC, and other building infrastructure in residential, commercial, and industrial settings. Students examine installation, maintenance, modernization, preventive maintenance, system performance, and troubleshooting.

17992 Construction Equipment III

Extends Construction Equipment I and II through precision operation, site planning, grading, excavation, earthmoving, maintenance, troubleshooting, project management, and advanced construction technologies. Supports apprenticeships, postsecondary study, credentials, and employment.

Architecture and Construction



CONSTRUCTION PATHWAY

17006 Introduction to Architecture & Construction

21051 Introduction to Technology Skills and Application

17007 Finish Carpentry I

17005 Finish Carpentry II

17002 Construction Trades I

17003 Construction Trades II

17990 Construction Equipment I

17991 Construction Equipment II

17992 Construction Equipment III

17057 Building Systems and Infrastructure

20999 Introduction to CDL

DESIGN AND PRE-CONSTRUCTION PATHWAY

17006 Introduction to Architecture & Construction

21051 Introduction to Technology Skills and Application

17990 Construction Equipment I

17991 Construction Equipment II

17992 Construction Equipment III

21102 Fundamentals of Drafting and Design

21103 Architectural Drafting and Design

17057 Building Systems and Infrastructure

20999 Introduction to CDL Theory

Arts, Entertainment, and Design



- Content strengthens visual communication, graphic design, photography, animation, multimedia, audio, branding, and digital content creation.
- Students use industry-standard technologies, manage projects, and design for clients.

COURSE TITLE CHANGES

- 11001 Introduction to Arts, Entertainment, and Design
- 11056 Digital Audio Production
- 11153 Content Creation, Branding, and Media

Other Recommendations

- 11160 Production Technology: eliminated because of limited interest and closer alignment to fine arts.

Arts, Entertainment, and Design



DIGITAL DESIGN & PRODUCTION PATHWAY

11001 Intro to Arts, Entertainment, and Design

05162 Visual Media Design

10203 Multimedia Design

10207 Digital Animation

11054 Photography I

11052 Photography II

11056 Digital Audio Production

11103 Broadcasting Technology

11106 Journalistic Design

11151 Media Production

11153 Content Creation, Branding, and Media

11154 Graphic Design II

11155 Graphic Design I

APPAREL & INTERIOR DESIGN PATHWAY

11001 Intro to Arts, Entertainment, and Design

19201 Fashion Design

19205 Interior Design I

19206 Interior Design II

Digital Technology



- Broadens to artificial intelligence, cybersecurity, computer science, software development, and emerging digital fields.

Recommended New Course

10108 Introduction to Artificial Intelligence

Explores how AI works and how to use it responsibly. Topics include machine learning, large language models, ethics, bias, privacy, intellectual property, workforce implications, and critical evaluation of AI-generated content.

Course Title Changes

- 10003 Introduction to Digital Technology
- 10251 Computer Hardware.
- 10153 Software Solutions.
- General and PLTW computer science courses use a shared course-code structure: 10013 Computer Science Essentials, 10015 Computer Science Principles, 10014 Computer Science, and 10016 Cybersecurity.

Digital Technology



NETWORKING AND CYBERSECURITY PATHWAY

10003 Introduction to Digital Technology

10013 Computer Science Essentials

10015 Computer Science Principles

10016 Foundations of Cybersecurity

10019 AP Computer Science Principles

10101 Network Technology

10108 Introduction to Artificial Intelligence

10157 AP Computer Science A

10251 Computer Hardware

14157 Introduction to Health Informatics

17106 Electronics

10023 AP Networking

10023 AP Cybersecurity

PROGRAMMING, WEB, AND SOFTWARE PATHWAY

10003 Introduction to Digital Technology

10013 Computer Science Essentials

10015 Computer Science Principles

10019 AP Computer Science Principles

10052 Computer Programming I

10153 Software Solutions

10057 AP Computer Science A

10201 Web Development

10202 Advanced Web Development

10251 Computer Hardware

21009 Robotics

Education



- Focuses on preparing South Dakota's next generation of educators.
- Standards strengthen child development, instructional practices, learning environments, professional responsibilities, and career exploration.

Recommended New Course

19153 Gateway to the Child Development Associate (CDA)

Aligns foundational learning with the nationally recognized CDA credential and early childhood workforce entry.

Education



EARLY CHILDHOOD DEVELOPMENT PATHWAY

19001 Introduction to Human Services

19051 Human Dev: Preschool to School Age

19052 Human Development: Prenatal to
Toddlers

19151 Introduction to Education and Training

19152 SD Educators for Tomorrow

19153 Gateway to the Child Development
Associate (CDA)

Energy and Natural Resources



- The cluster reflects growing careers in energy production, utilities, conservation, environmental science, and natural resource management.
- Students explore careers supporting natural resources, outdoor recreation, public lands, and the energy infrastructure serving communities and industry.

Recommended New Courses

20101 Introduction to Energy and Power

Builds a foundation in traditional, renewable, and emerging energy technologies. Students study energy generation, electrical principles, mechanical systems, safety, and the science of producing, converting, and using energy.

21060 Energy Transmission and Distribution

Examines transmission and distribution systems, energy storage, utility operations, industry regulations, workplace safety, and specialized tools and equipment used across the energy sector.

Energy and Natural Resources

NATURAL RESOURCES AND ENVIRONMENTAL SERVICES PATHWAY

18504 Introduction to Natural Resources

18501 Wildlife & Fisheries

18502 Natural Resource Management

18508 Issues in Environmental Science

18001 Intro to Ag, Food, and Natural Resources

18203 Ag Leadership and Communication

18248 Independent Supervised Agricultural
Experience

ENERGY PATHWAY

20101 Introduction to Energy/Power

18308 Ag. Biotechnology

21060 Energy Transmission and Distribution

18502 Advanced Natural Resources

18504 Introduction to Natural Resources

17106 Electronics

18001 Intro to Ag, Food, and Natural Resources

18203 Ag Leadership and Communication

18248 Independent Supervised Agricultural
Experience



Financial Services



- New additions include mobile banking, digital wallets, blockchain, cryptocurrency, real-time payments, cybersecurity, and financial data protection.
- Traditional strengths remain in accounting, lending, insurance, economics, and ethical financial decisions.

COURSE CHANGES

- 12109 Accounting III: eliminated.

Accounting III content is reconfigured into Accounting I and II so more students receive key industry concepts within a two-course sequence.

Financial Services



ACCOUNTING AND FINANCE PATHWAY

12102 Principles of Banking

12104 Accounting I

12108 Accounting II

12106 Principles of Insurance

12107 Investment Planning

10005 Business Computer Applications

12051 Introduction to Business

12052 Business Management

12054 Business Law

12061 Entrepreneurial Skills

12105 Business Economics

12061 AP Business with Personal Finance

Health Science



- Updates improve consistency and expand awareness of healthcare careers across one of South Dakota's highest-demand industries.
- Standards prepare students for credentials in high-demand areas.
- Health Science and Human Services jointly developed the Introduction to Behavioral and Mental Health course.

Recommended New Courses

- 19301 Introduction to Behavioral and Mental Health: shared with Human Services; full course description appears in that cluster.

Health Science



HEALTH SERVICES PATHWAY

14001 Health Science Careers I- Exploration

14002 Health Science Careers II- Engagement

14154 Medical Terminology

14051 Gateway to Certified Nursing Assistant

14055 Introduction to Emergency Medical Services

14062 Introduction to Sports Medicine

14152 Introduction to Pharmacy Technician

14157 Intro to Health Informatics

14102 Introduction to Medical Diagnostics

BIOMEDICAL SCIENCE PATHWAY

14001 Health Sciences Careers I: Exploration

14002 Health Science Careers II: Engagement

14154 Medical Terminology

03066 Principles of Biomedical Science

03067 Human Body Systems

03068 Medical Intervention

03070 Biomedical Innovation

MENTAL AND BEHAVIORAL HEALTH PATHWAY

19001 Introduction to Human Services

19255 Relationships across the Lifespan

19264 Family and Community Resources

19301 Introduction to Behavioral and Mental Health

Hospitality, Events, and Tourism



- Standards better reflect South Dakota's travel and tourism industry and its economic impact on communities.
- Coursework strengthens customer service, professionalism, project management, entrepreneurship, sustainability, leadership, and work-based learning.
- Culinary, hospitality, and event management courses continue to reflect current industry practice.

Course Title Changes

- 16051 Foundations of Travel and Tourism

Hospitality, Events, and Tourism



RESTAURANT AND FOOD SERVICE MANAGEMENT PATHWAY

16001 Introduction to Hospitality and Tourism

16052 Introduction to Food Concepts

16053 Culinary Arts I

16055 Culinary Arts II

16056 Culinary Arts III

16152 Event Management

19253 Nutrition & Wellness

19254 Food Science and Technology

16054 Community Nutrition

TRAVEL AND TOURISM PATHWAY

16001 Introduction to Hospitality and Tourism

16051 Foundations of Travel and Tourism

16152 Event Management

Human Services



Course Title Changes

19264 Family and Consumer Resources
16054 Community Nutrition
19255 Relationships Across the Lifespan

- Learning focuses on careers serving the community, caregiving, and wellness.
- Standards strengthen ethical decisions, professional skills, and interpersonal communication for counseling, social work, family support, and community services.

Recommended New Course

19301

Introduction to Behavioral and Mental Health

Introduces careers, person-centered care, communication strategies, ethics, trauma-informed practices, and social and environmental influences on well-being. The shared course serves both Human Services and Health Science.

Human Services



COMMUNITY AND SOCIAL SERVICES PATHWAY

19001 Introduction to Human Services

19264 Family and Community Resources

16054 Community Nutrition

19261 Human Dev: Understanding Adulthood and Aging

19255 Relationships across the Lifespan

16052 Introduction to Food Concepts

19253 Nutrition & Wellness

BEHAVIORAL AND MENTAL HEALTH PATHWAY

19001 Introduction to Human Services

19255 Relationships across the Lifespan

19264 Family and Community Resources

19301 Introduction to Behavioral and Mental Health

EARLY CHILDHOOD DEVELOPMENT CAREER PATHWAY

19001 Introduction to Human Services

19051 Human Dev: Preschool to School Age

19052 Human Development: Prenatal to Toddlers

19151 Introduction to Education and Training

19152 SD Educators for Tomorrow

19153 Gateway to the Child Development Associate (CDA)

Management and Entrepreneurship



- Students learn to lead organizations, launch ventures, manage projects, solve business challenges, and adapt to a technology-driven economy.
- Revised content includes global business, cloud collaboration, digital practice, cybersecurity, data management, ethical leadership, and entrepreneurial thinking.

COURSE CHANGES

- 10049 Advanced Business Computer Applications: eliminated; some skills moved into Business Computer Applications.
- 12056 International Business and Marketing: eliminated because of limited interest; dual-credit options better serve this specialization.

Management and Entrepreneurship



ACCOUNTING AND FINANCE PATHWAY

12102 Principles of Banking

12104 Accounting I

12108 Accounting II

12106 Principles of Insurance

12107 Investment Planning

10005 Business Computer Applications

12051 Introduction to Business

12052 Business Management

12054 Business Law

12061 Entrepreneurial Skills

12105 Business Economics

12061 AP Business with Personal Finance

Marketing and Sales



Other Changes

- 12199 Marketing Communications and 12167 Marketing Research: eliminated because of limited interest; dual credit better serves specialization.

- Standards emphasize digital marketing, branding, and customer engagement while retaining traditional marketing principles.
- Students prepare to build customer relationships, strengthen competitive advantage, and support business growth.

COURSE TITLE CHANGES

- 12164 Modern Marketing
- 12152 Advertising, Promotion, Branding, and Design
- 12202 Sales and Customer Relations

Marketing and Sales



MARKETING AND ADVERTISING PATHWAY

12051 Introduction to Business

10005 Business Computer Applications

12164 Modern Marketing

12202 Sales and Customer Relations

12152 Advertising, Promotion, Branding, &
Design

12163 Sports and Entertainment Marketing

12061 Entrepreneurial Skills

Public Service and Safety



Course Title Change

15201: Government, Leadership, and Public Service

- Students explore government, legal services, law enforcement, emergency response, military service, public administration, and community leadership.
- JROTC standards remain under the authority of each branch of the U.S. Armed Forces.

Recommended New Course

15151 Introduction to Fire Science

Developed with rural fire departments and school districts to strengthen volunteer and career firefighter recruitment. Students study prevention, response, operations, incident management, and safety through local partnerships and hands-on learning.

Public Service and Safety



PUBLIC SERVICE AND SAFETY CLUSTER

14055 Introduction to Emergency Medical Services

15001 Introduction to Law and Public Safety I

15054 Introduction to Law and Public Safety 2

15151 Introduction to Fire Science

15201 Government, Leadership, and Public Service

J-ROTC

9001 Introduction to Jr. ROTC

9002 Military Jr. ROTC—unspecified branch

9003 ROTC Drill

9004 Military Leadership

9051 Army Junior ROTC I

9052 Army Junior ROTC II

9053 Army Junior ROTC III

9054 Army Junior ROTC IV

J-ROTC (CONTINUED)

9101 Naval Junior ROTC I

9102 Naval Junior ROTC II

9103 Naval Junior ROTC III

9104 Naval Junior ROTC IV

9151 Air Force Junior ROTC I

9152 Air Force Junior ROTC II

9153 Air Force Junior ROTC III

9154 Air Force Junior ROTC IV

9201 Marine Corps Junior ROTC I

9202 Marine Corps Junior ROTC II

9203 Marine Corps Junior ROTC III

9204 Marine Corps Junior ROTC IV

Supply Chain and Transportation



Course Title Changes

20056 Aviation and Drone Fundamentals

Other Changes

20151 Logistics Planning and Management is retired because of limited district participation and student demand.

- The cluster builds on strong automotive programs while preparing students for aviation and emerging transportation careers.
- Courses add advanced diagnostics, computerized systems, electric and hybrid technology, automation, and industry-standard equipment.
- Aviation moves from the former STEM cluster. Powersports also reflects South Dakota's outdoor recreation economy across snow, water, and off-road vehicles.

Recommended Courses Next Slide.

Supply Chain and Transportation recommended new courses

20028 **Aviation Maintenance**

Students study aircraft systems, maintenance, inspection, troubleshooting, aviation regulations, precision, and workplace safety.

20119 **Emerging Transportation Technology**

A flexible course covering autonomous and remote equipment, AI, robotics, drones, connected vehicles, precision agriculture, predictive maintenance, alternative fuels, safety, and efficiency.

20999 **Introduction to CDL Theory**

Introduces safe commercial vehicle operation, regulations, vehicle systems, inspections, decision-making, federal training expectations, approved providers, testing, and credentialing. It supports workforce needs across transportation, agriculture, construction, energy, and related sectors.

Supply Chain and Transportation



AVIATION PATHWAY

- 21051 Introduction to Technology Skills and Application
- 20053 Aviation Careers I
- 20056 Aviation and Drone Fundamentals
- 20057 Aviation Careers II
- 20058 Aviation Maintenance
- 20119 Emerging Transportation Technology

AUTOMOTIVE MAINTENANCE AND REPAIR PATHWAY

- 21051 Introduction to Technology Skills and Application
- 20106 Introduction to Vehicle Systems and Maintenance
- 20104 Maintenance & Light and Basic Repair
- 20105 Electrical/Electronic Systems and HVAC
- 20999 Introduction to CDL Theory
- 20107 Diesel Technology
- 20110 Small Engine Mechanics
- 20119 Emerging Transportation Technology
- 20121 Automotive Engine Repair & Performance
- 20122 Brakes, Drivetrain , and Axles
- 20123 Transmission, Suspension, and Steering
- 20111 Powersports
- 20124 Introduction to Auto Body Estimating
- 20115 Non-Structural Analysis & Damage Repair
- 20116 Auto Body Painting and Refinishing
- 20117 Structural Analysis & Damage Repair

Written Public Comment CTE Content Standards

17

Total Comments

Received by Sept 23, 2026



16

Proponent



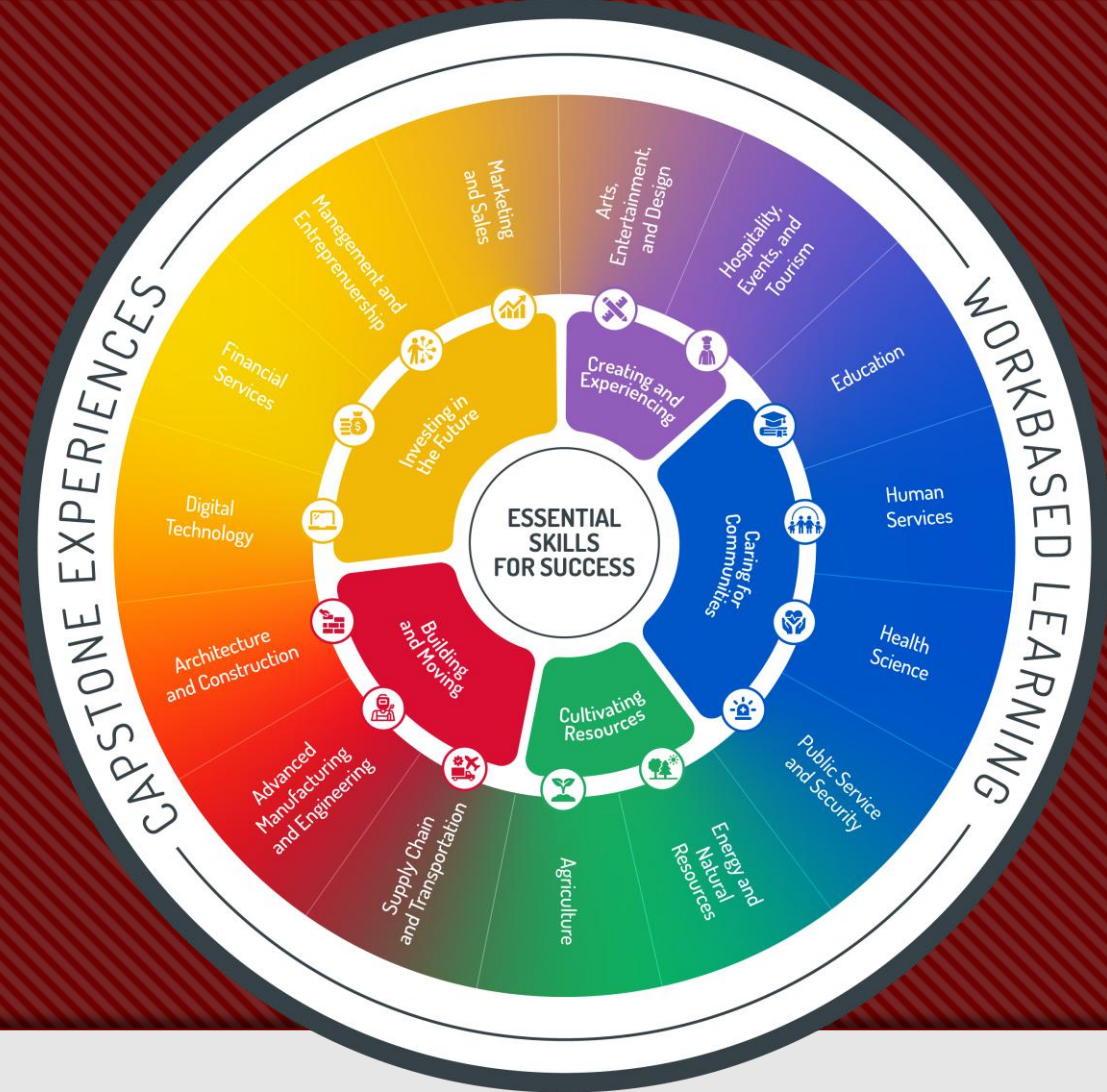
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Unsure



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Opponent



Thank you for your time
and consideration.