south dakota
DEPARTMENT OF EDUCATION
Learning. Leadership. Service.

Proposed CTE Standards

Amy Miller – Career and Technical Education Director

A statewide update to every CTE standard

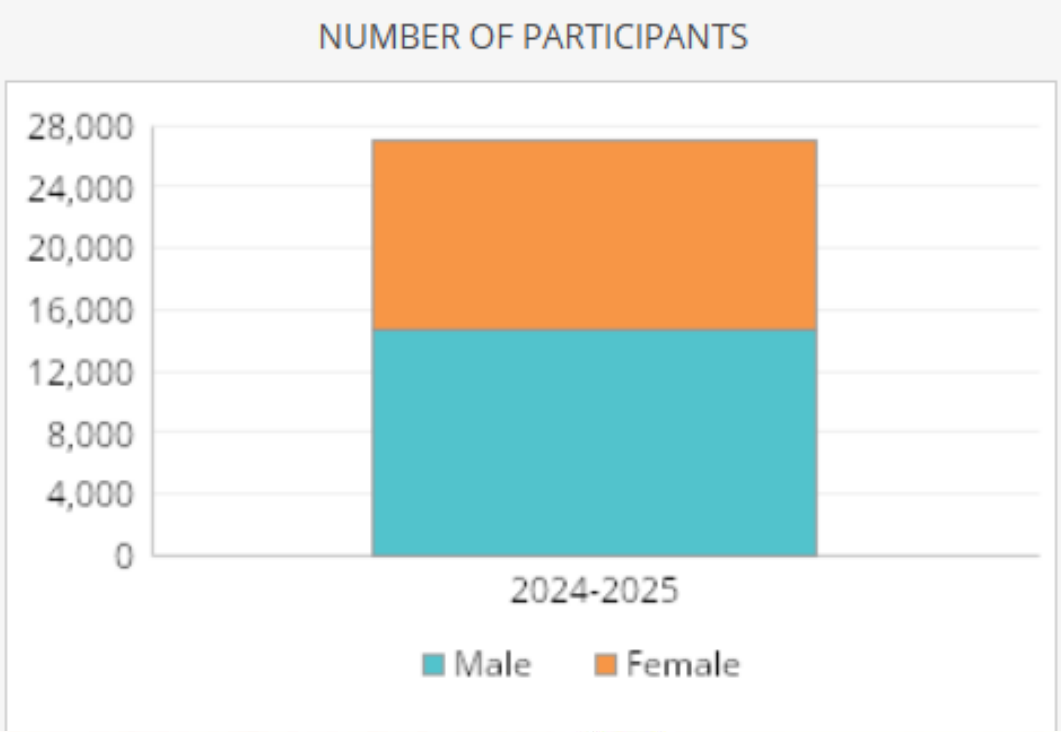
Workgroups comprised of over 200 South Dakotans have reviewed and revised course standards and sub-indicators across all CTE Clusters.

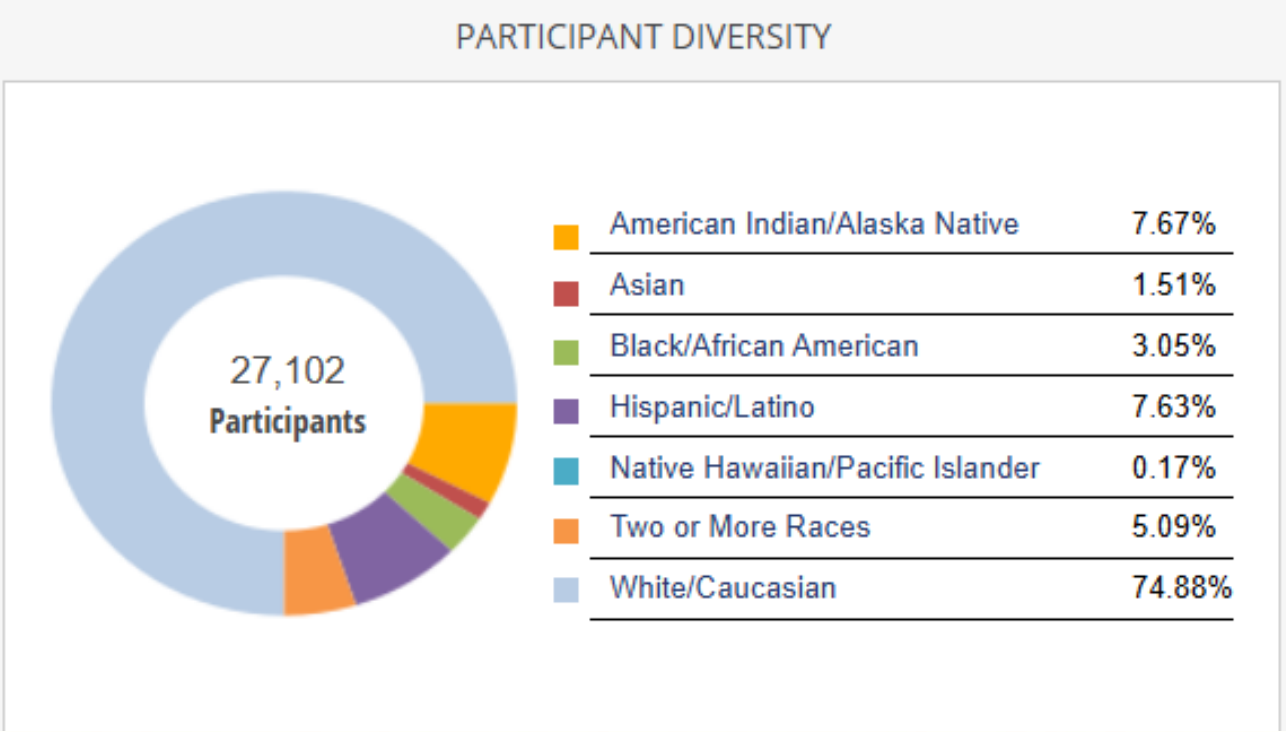
- The work retains the strength of South Dakota's existing standards while adopting the structure of the Modernized National Career Clusters Framework.
- Revisions connect learning to high-demand careers and prepare all students for postsecondary education, military service, apprenticeships, and the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

SOUTH DAKOTA
CAREER & TECHNICAL EDUCATION

All Career Clusters
All CTE courses
One shared vision

2024-2025 School Year – 9-12th Grade Students who took 1 or more CTE Classes that year.







WHICH CLUSTERS WERE OFFERED?

Entities may offer a variety of career education programs. These programs are grouped into Career Clusters. The following information displays how many students participated in coursework within each Career Cluster for the given data year.



Agriculture, Food and Natural Resources

6980 Students



Architecture and Construction

3902 Students



Arts, A/V Technology and Communications

3687 Students



Business Management and Administration

9899 Students



Education and Training

2037 Students



Finance

8412 Students



Government and Public Administration

359 Students



Health Science

1969 Students



Hospitality and Tourism

5230 Students



Human Services

11711 Students



Information Technology

1404 Students



Law, Public Safety and Security

33 Students



Manufacturing

3253 Students



Marketing

481 Students



Science, Technology, Engineering and Mathematics

2131 Students

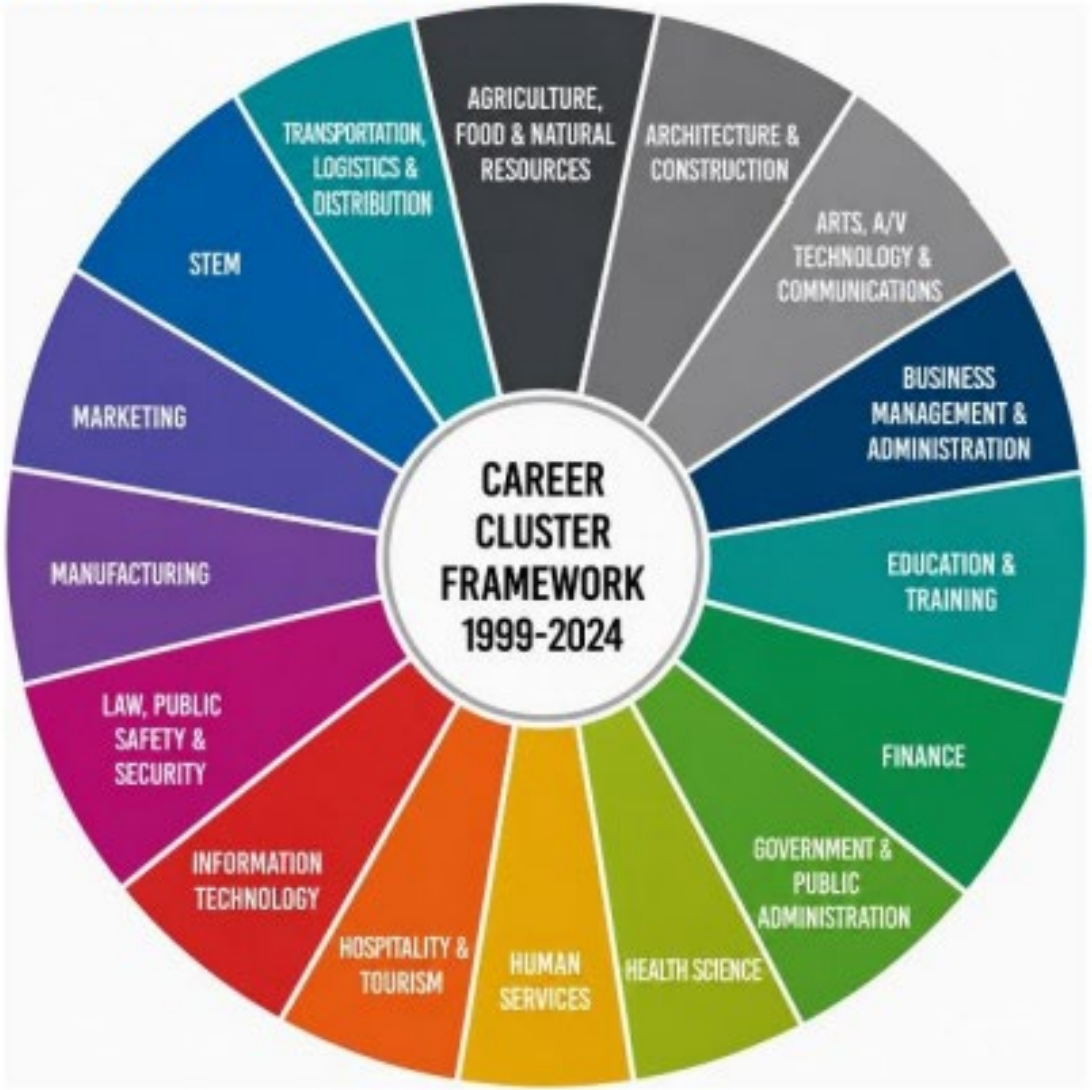


Transportation, Distribution and Logistics

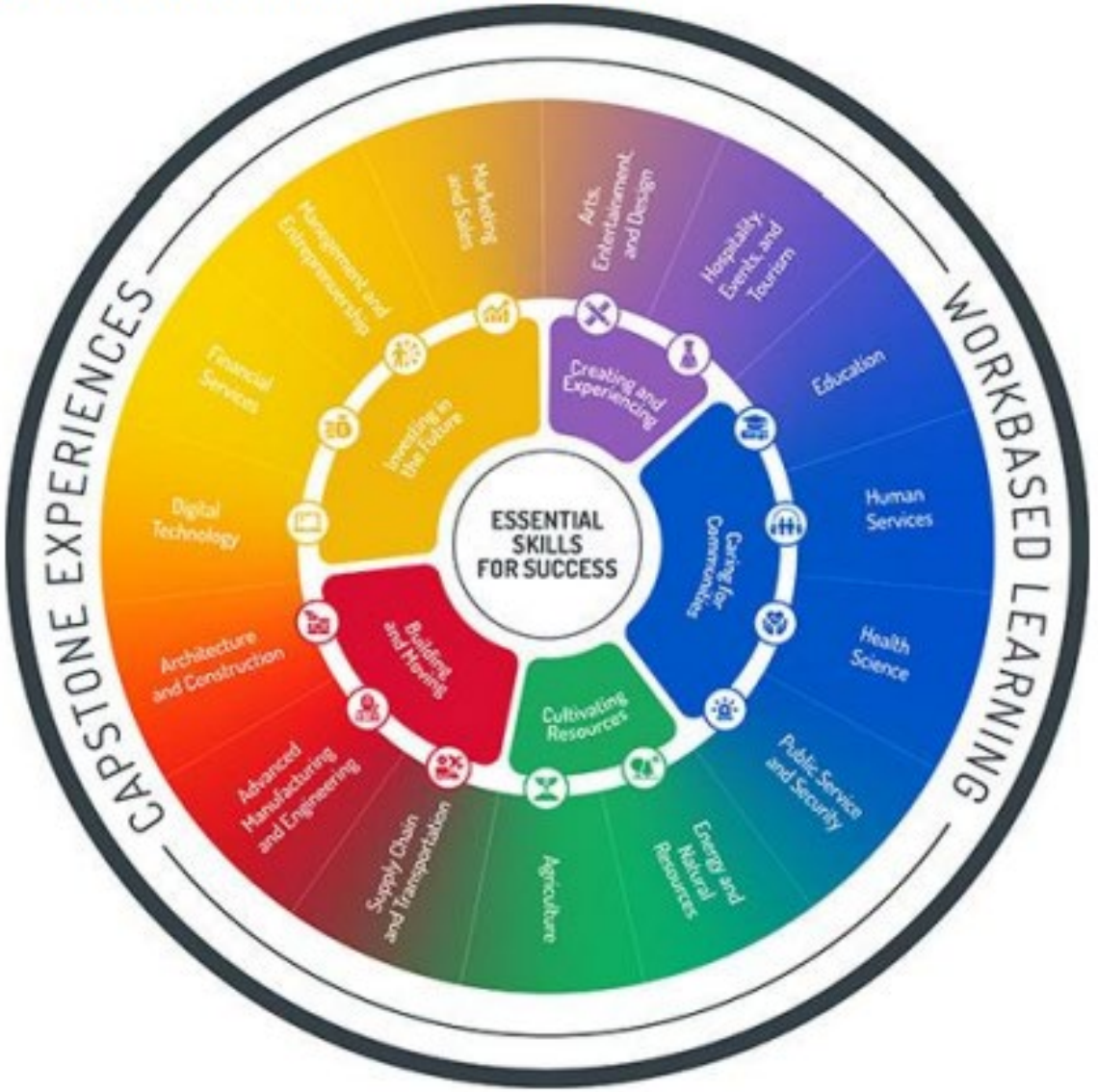
1810 Students

Modernized Career Cluster Framework

Previous Framework



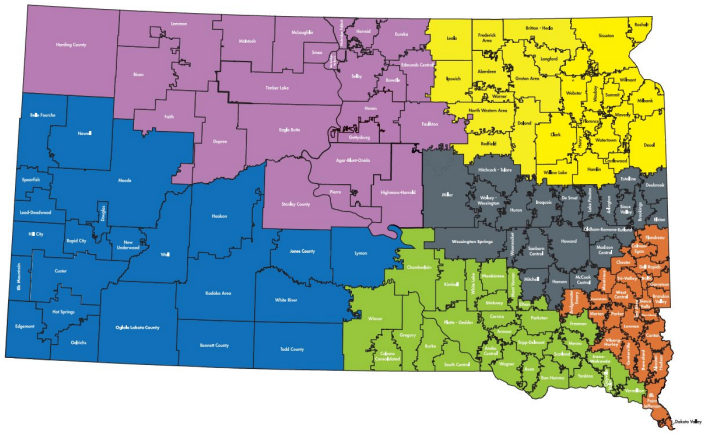
SD's Modernized Framework



SOUTH DAKOTA CTE STANDARDS REVISION

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

Butler CAT

South Dakota State University
Child and Family Resource Network

SANFORD HEALTH

South Dakota Department of Labor & Regulation

SDADA
South Dakota Auto Dealer Association

South Dakota Beef Industry Council

South Dakota Department of Social Services
Strong Families - South Dakota's Foundation and Our Future

South Dakota Game, Fish & Parks

South Dakota Department of Health

South Dakota Retailers
Hospitality • Retail • Trades

John Deere

RDO Equipment Co.

SDHBA
South Dakota Home Builders Association

South Dakota Corn

SDBANKERS ASSOCIATION
Educate. Advocate. Grow.

AGC South Dakota
The Construction Association

Avera

Educators Rising

FCCLA
Family, Career and Community Leaders of America

FBLA
Future Business Leaders of America

FFA

hosa
future health professionals

SkillsUSA

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.

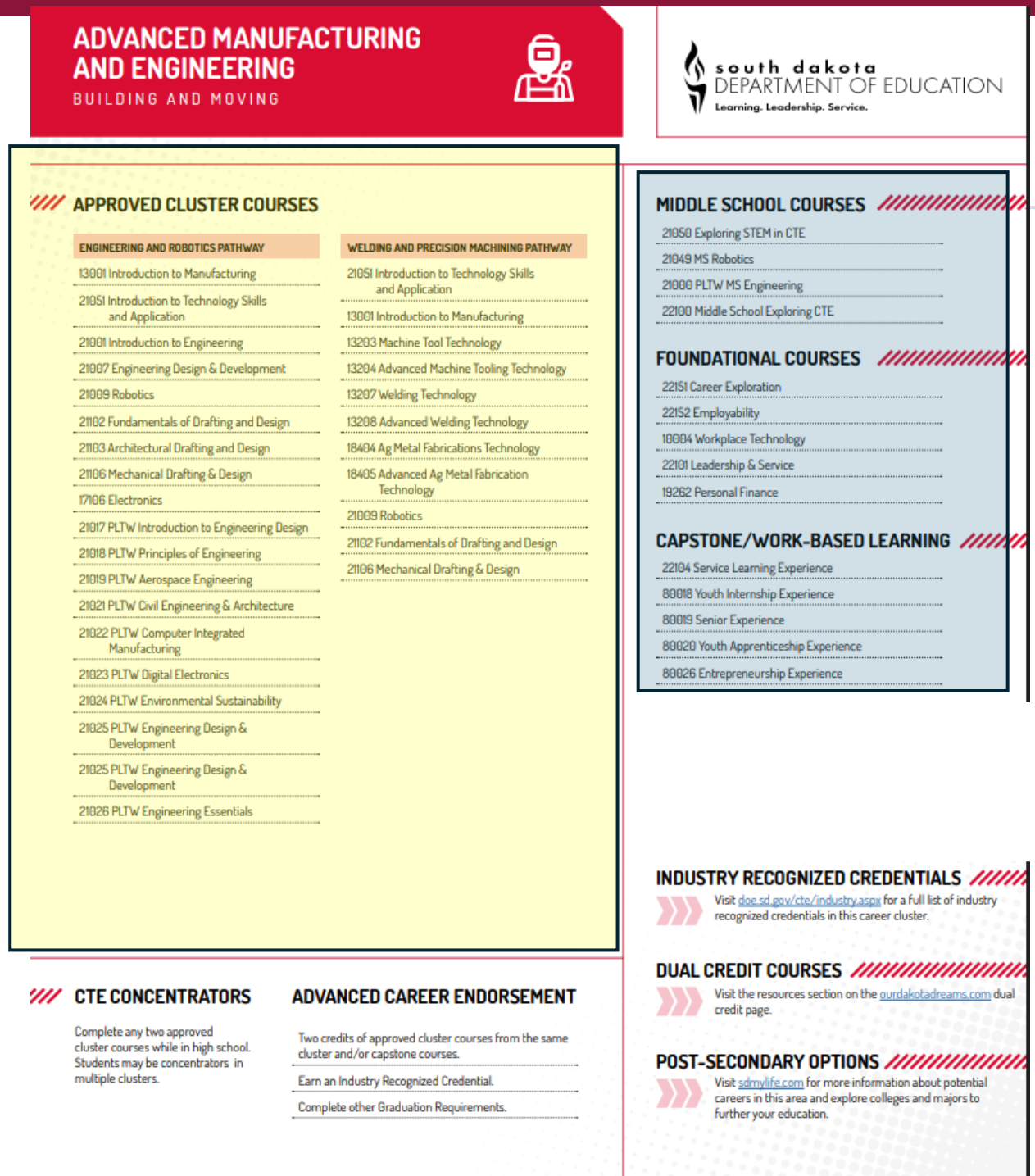
Essential Skills for Success



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



ADVANCED MANUFACTURING AND ENGINEERING

BUILDING AND MOVING

south dakota DEPARTMENT OF EDUCATION
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APPROVED CLUSTER COURSES

ENGINEERING AND ROBOTICS PATHWAY	WELDING AND PRECISION MACHINING PATHWAY
13001 Introduction to Manufacturing	21051 Introduction to Technology Skills and Application
21051 Introduction to Technology Skills and Application	13001 Introduction to Manufacturing
21001 Introduction to Engineering	13203 Machine Tool Technology
21007 Engineering Design & Development	13204 Advanced Machine Tooling Technology
21009 Robotics	13207 Welding Technology
21102 Fundamentals of Drafting and Design	13208 Advanced Welding Technology
21103 Architectural Drafting and Design	18404 Ag Metal Fabrications Technology
21106 Mechanical Drafting & Design	18405 Advanced Ag Metal Fabrication Technology
17106 Electronics	21009 Robotics
21017 PLTW Introduction to Engineering Design	21102 Fundamentals of Drafting and Design
21018 PLTW Principles of Engineering	21106 Mechanical Drafting & Design
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	

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.

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

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.

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

CAREER READY SD

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

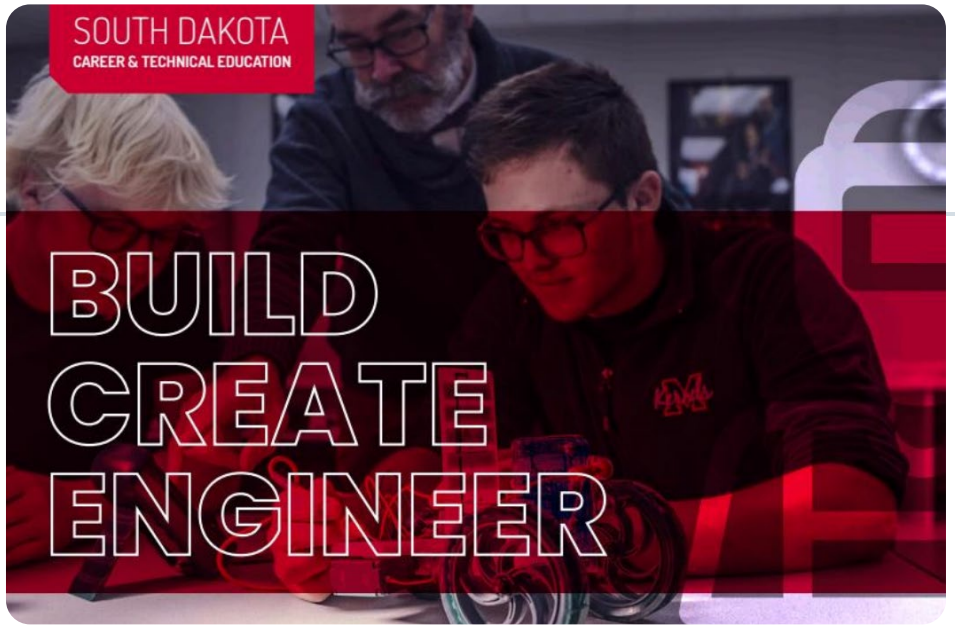
15 Supply Chain and Transportation

CAREER CLUSTER STANDARDS

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



- 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

CAREER CLUSTER STANDARDS

Agriculture



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

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.

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

CAREER CLUSTER STANDARDS

Architecture and Construction



CONSTRUCTION PATHWAY	DESIGN AND PRE-CONSTRUCTION PATHWAY
17006 Introduction to Architecture & Construction	17006 Introduction to Architecutre & Construction
21051 Introduction to Technology Skills and Application	21051 Introduction to Technology Skills and Application
17007 Finish Carpentry I	17990 Construction Equipment I
17005 Finish Carpentry II	17991 Construction Equipment II
17002 Construction Trades I	17992 Construction Equipment III
17003 Construction Trades II	21102 Fundamentals of Drafting and Design
17990 Construction Equipment I	21103 Architectural Drafting and Design
17991 Construction Equipment II	17057 Building Systems and Infastructure
17992 Construction Equipment III	20999 Introduction to CDL Theory
17057 Building Systems and Infastructure	
20999 Introduction to CDL	

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.

CAREER CLUSTER STANDARDS

Arts, Entertainment, and Design



DIGITAL DESIGN & PRODUCTION PATHWAY	APPAREL & INTERIOR DESIGN PATHWAY
11001 Intro to Arts, Entertainment, and Design	11001 Intro to Arts, Entertainment, and Design
05162 Visual Media Design	19201 Fashion Design
10203 Multimedia Design	19205 Interior Design I
10207 Digital Animation	19206 Interior Design II
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	

Other Recommendations

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

COURSE TITLE CHANGES

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

CAREER CLUSTER STANDARDS

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



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.

CAREER CLUSTER STANDARDS

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)

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.

Energy and Natural Resources



Recommended New Courses

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
15151 – Introduction to Fire Science

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

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.

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



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.

CAREER CLUSTER STANDARDS

Health Science

HEALTH SERVICES PATHWAY

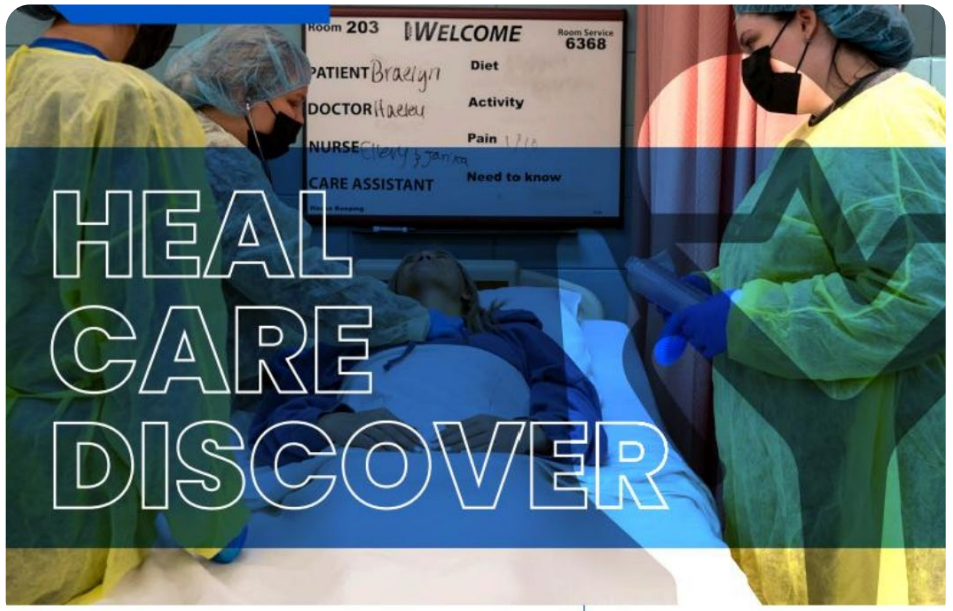
- 14001 Health Science Careers I- Exploration
- 14002 Health Science Careers II- Engagement
- 14154 Medical Terminology
- 14051 Gateway to Certified Nursing Assistant
- 14055 Introduction to Emergency Medical Services
- 14062 Introduction to Sports Medicine
- 14152 Introduction to Pharmacy Technician
- 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



Recommended New Courses

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

CAREER CLUSTER STANDARDS

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

Course Title Changes

- 16051 Foundations of Travel and Tourism

CAREER CLUSTER STANDARDS

Human 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.

Course Title Changes

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



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)

CAREER CLUSTER STANDARDS

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

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.

CAREER CLUSTER STANDARDS

Marketing and Sales



COURSE TITLE CHANGES

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

Other Changes

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

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



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.

Course Title Change

15201: Government, Leadership, and Public Service

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

CAREER CLUSTER STANDARDS

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.

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 MAINTENCE 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

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.

Written Public Comment
CTE Content Standards

27

Total Comments

Received by Nov 12, 2026



24

Proponent



2

Unsure



1

Opponent

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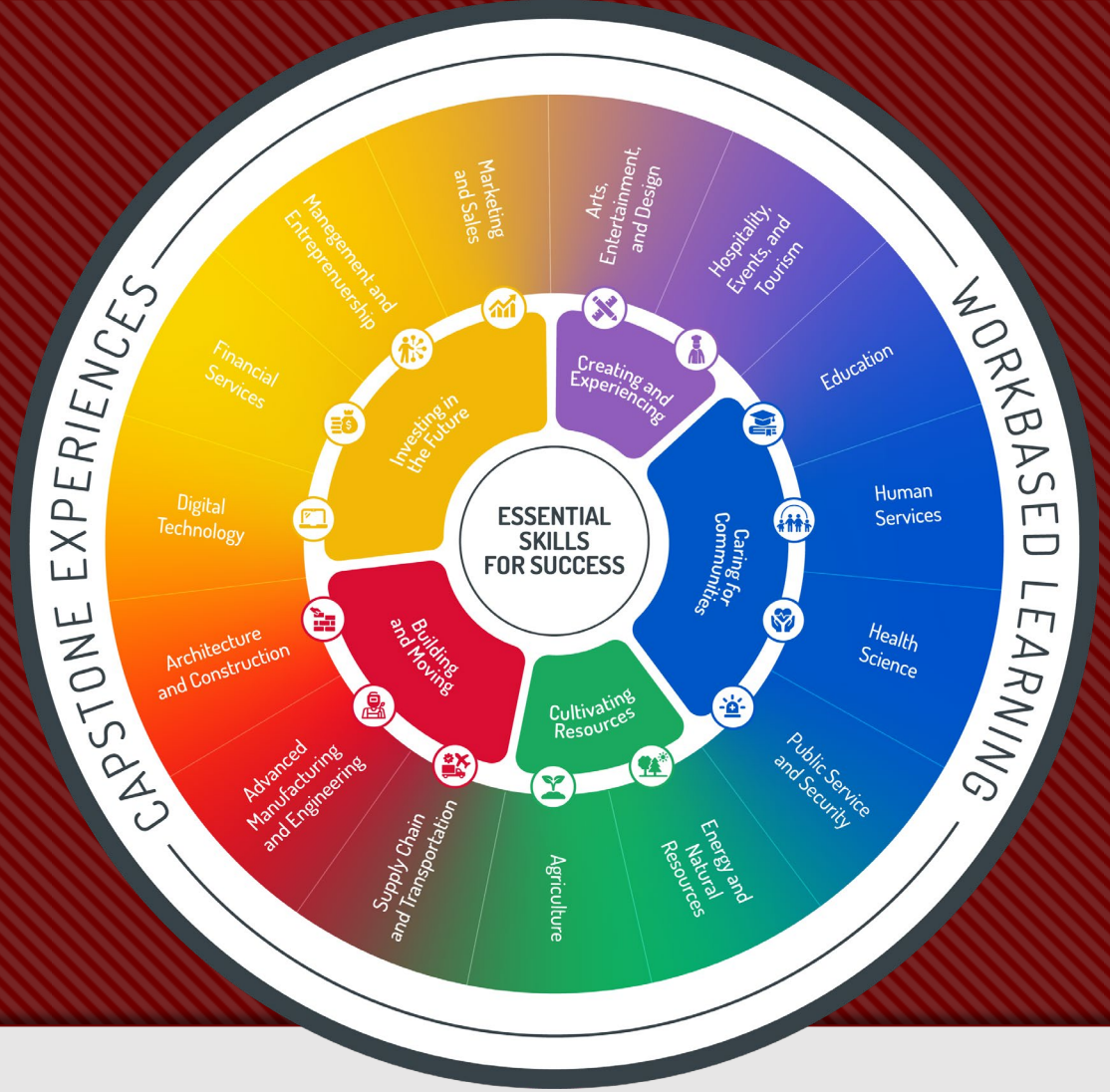
SOUTH DAKOTA
CAREER & TECHNICAL EDUCATION



Thank you for your time and consideration.