
SDMYLIFE & CAREER & TECHNICAL EDUCATION

CAREER EXPLORATION & CTE CAREER CLUSTERS



south dakota
DEPARTMENT OF EDUCATION
Learning. Leadership. Service.

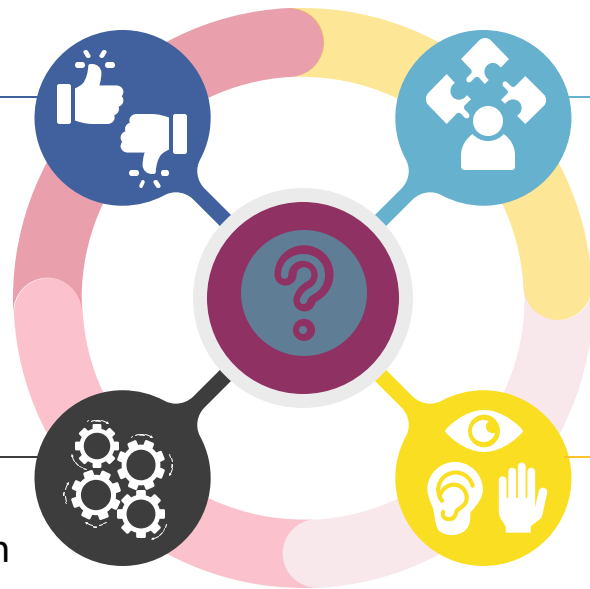
SELF ASSESSMENTS

Matchmaker:
How do your
interests align with
careers?

Personality Style: How
does your personality align
with careers?

Skills Lab:
How do your abilities align
with careers?

Learning Style: How do
you best learn?




MATCHMAKER


MATCHMAKER QUESTIONS Done


Matchmaker Progress 0/39 Review My Answers


How do you feel about:


Working with children ?

 LIKE VERY MUCH


 LIKE





 NOT SURE


 DISLIKE

 DISLIKE VERY MUCH


xello About Me Explore Options Goals & Plans Search Heart Profile





KARA SCHWEITZER
 SD  Garretson High School And Middle School  Grade 10 


 Share your Profile


CAREER MATCHES





Anthropologist
 Excellent Match
\$36,840 - \$97,170 Hide





Archivist
 Excellent Match
\$30,440 - \$90,830 Hide




Historian
 Excellent Match
\$29,270 - \$110,670 Hide



Lobbyist
 Excellent Match
\$30,000 - \$150,000 Hide



Cartoonist
 Excellent Match
\$20,000 - \$80,000 Hide

View all ...



PERSONALITY STYLE

Personality Style

Progress 0/28

[Review My Answers](#)

How do you feel about:

Making agreements through negotiating and bargaining



LIKE VERY MUCH



LIKE



NOT SURE



DISLIKE



DISLIKE VERY MUCH

PERSONALITY STYLE RESULTS

Done

YOUR PERSONALITY STYLE

You are a **THINKER**

Thinkers enjoy analyzing and solving problems. They use logic and abstract reasoning to come up with complex ideas. They do research and gather facts to better understand the way the world works.

THINKERS ARE...	THINKERS USUALLY LIKE...	THINKERS VALUE...
<ul style="list-style-type: none">✓ Intellectual✓ Curious✓ Logical✓ Analytical✓ Scholarly	<ul style="list-style-type: none">✓ Researching✓ Experimenting✓ Theorizing✓ Analyzing✓ Problem-solving	<ul style="list-style-type: none">✓ Discovery✓ Understanding✓ Logic✓ Independence✓ Intellect

WHAT IS THE HOLLAND MODEL?

The Holland Codes can tell you about your personality style. People can display the traits of one or more of these six personality styles:

- Builders** like to use tools and machines to repair and install things. They are practical and good at using their hands.
Holland Code: REALISTIC
- Thinkers** like to research and solve complex problems. They are logical and curious, and invent theories they try to prove.
Holland Code: INVESTIGATIVE
- Creators** like to design, write, paint, and perform. They value intuition and imagination, and enjoy expressing their ideas.
Holland Code: ARTISTIC
- Helpers** like to care for, counsel, and teach people. They value cooperation and connection, and they are good listeners.
Holland Code: SOCIAL
- Persuaders** like to make decisions, motivate and lead people, and take risks. They are natural influencers and managers.
Holland Code: ENTERPREISING
- Organizers** like structure and order in their work. They are good at working with data, files, lists, and little details.
Holland Code: CONVENTIONAL

THE HOLLAND CODE

WHAT IS A THINKER?

Thinkers are skilled at looking at the big picture and guessing how things work. They like to follow a line of reasoning from beginning to end. Thinkers do a lot of research to uncover the facts. They are quick to understand theories and precise in their calculations. In many cases, they investigate questions related to math, science, and technology. Thinkers often have to use microscopes and computers, as well as other advanced tools.

sdmylife

SKILLS LAB

SKILLS LAB RESULTS Done

SKILLS LAB RESULTS

YOUR CAREER MATCHES

Diagnostic Medical Sonographer

\$51,430 - \$100,480 Hide

Firefighter

\$25,170 - \$88,920 Hide

Radiation Therapist

\$56,360 - \$124,320 Hide

Craftsperson

\$10,000 - \$60,000 Hide

More Careers

Here's what you said about 35 skills:

15 You want to use
Always or Often

- Social Perception
- Writing
- Attention to Detail
- Critical Thinking
- Equipment Maintenance

7 You want to use
Sometimes

- Analyzing Operations
- Designing Technology
- Managing People
- Operating Equipment or Machines
- Quality Control

13 You want to use
Rarely or Never

- Decision Making
- Evaluating Systems
- Installation
- Managing Money
- Math

Skills Lab

Progress 0/35 [Review My Answers](#) Done

How frequently would you like to use this skill in your future career?

Learning: Making an effort to take in and understand new information.

Always

Often

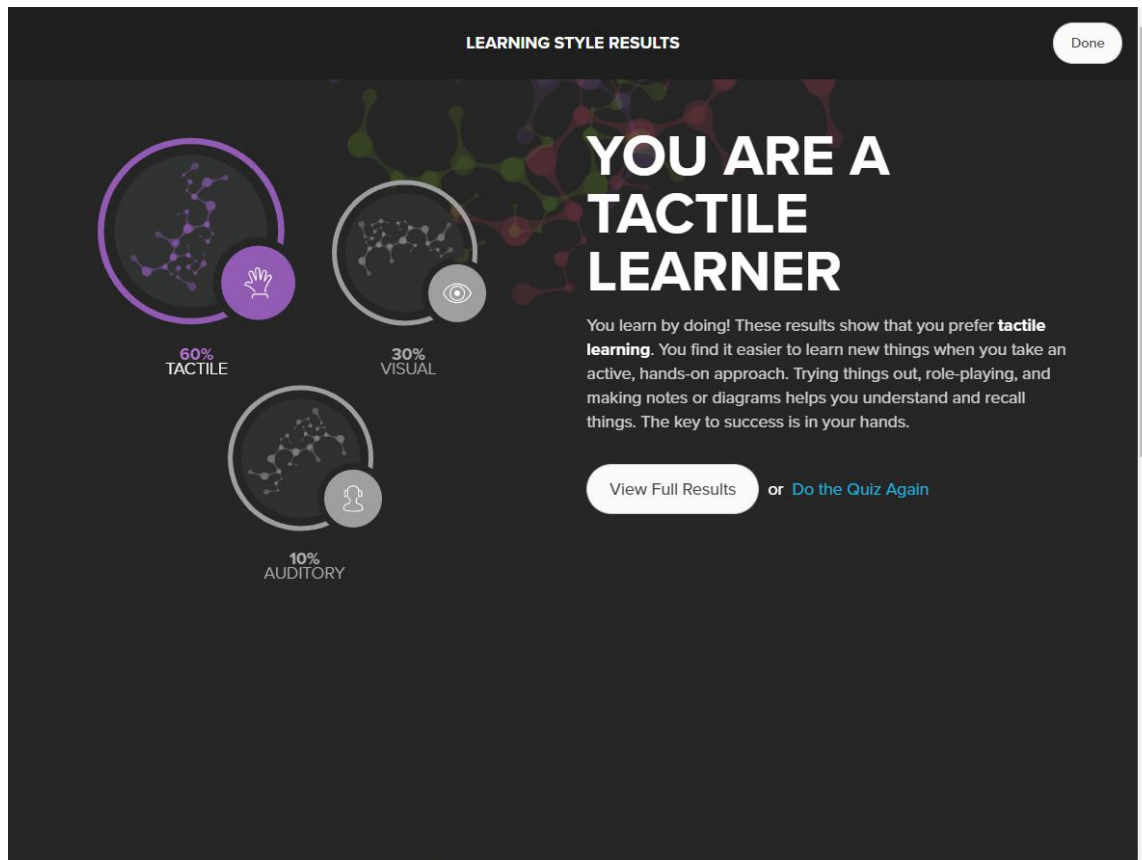
Sometimes

Rarely

Never

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LEARNING STYLE



LEARNING STYLE QUESTIONS Done

LEARNING STYLE

Progress 0/20

When reading a novel, I tend to:

- ☒ become restless, and can almost feel what the characters are doing or feeling
- ☐ imagine seeing what I am reading
- ☐ either read out loud, or imagine hearing the words I am reading



EXPLORATION



Over 500
CAREERS



Over 3500
COLLEGES



Over 1400
MAJORS



CAREER EXPLORATION

CORE TASKS

- ✓ Check patients' medical histories and fill their prescriptions
- ✓ Inform patients of any side effects and answer their questions
- ✓ Supervise pharmacy technicians as they prepare and dispense medications
- ✓ Tell patients how and when to take medications

WORKPLACE

- Work for retail stores, wholesale pharmacies, hospitals, or drug manufacturing companies
- Work indoors in hospitals, pharmacies, or stores
- On their feet much of the time
- Often talk to customers, pharmacy technicians, and doctors
- Handling dangerous prescriptions can be stressful
- Wear gloves and masks when working with dangerous products

WORKING CONDITIONS

Pharmacists work in retail stores, wholesalers, and hospitals. Some work for other groups such, as:

- HMOs
- drug manufacturers
- government agencies
- the military
- research and education centers

They may spend long hours on their feet, which can be tiring. But, like other health care workers, pharmacists must be alert at all times. This is especially true when they are under stress, since an error can harm a patient.

People in this field have to be able to handle many tasks at once. They verify dosages and confirm patient health records. They consider how taking more than one type of drug may affect a patient. They also handle insurance claims and answer questions from doctors and customers. Plus, they manage the pharmacy technicians.

When working with dangerous products, pharmacists wear gloves and masks. They also use protective gear.

Pharmacists usually work 35 to 40 hours a week. Many retail and hospital pharmacies are open long hours. Weekend and evening work in these places is common.

The screenshot shows the 'xello' website interface. At the top, there are navigation links: 'About Me', 'Explore Options', and 'Goals & Plans'. A search icon, a heart icon, and a user profile icon are on the right. The main header features a large image of a pharmacist in a white lab coat and glasses, working in a pharmacy. Below the image, the word 'PHARMACIST' is prominently displayed. To the left of the title, it says 'Careers' and shows a salary range of '\$17,790 - \$101,250' and a requirement of '4-Year College'. To the right of the title, there is a 'Good Match' badge with a 'Find out why' link and a 'Save' button. Below the header, a paragraph describes the job: 'Pharmacists prepare and dispense medications and advise patients how to use them. They also answer health questions from patients.' Further down, the 'JOB DESCRIPTION' section explains that pharmacists used to mix and bottle pills, but now most medications are pre-prepared. It details their tasks: counting pills, packaging, ensuring correct dispensing, and providing customer information. It also mentions checking medical history, ensuring no allergies, and checking for drug interactions. A final paragraph states it's important to explain drug usage, tell when to take meds, warn of side effects, and answer questions. On the right side of the page, there is a 'SIMILAR CAREERS' section with five options, each with a 'Good Match' badge, a small image, and a salary range: Toxicologist (\$30,000 - \$120,000), Pharmacologist (\$45,000 - \$130,000), Medical Lab Tech (\$29,910 - \$80,330), Microbiologist (\$41,820 - \$133,550), and Nurse (\$50,800 - \$106,530).



INCREASING DEMAND

The demand for this career is increasing. Its growth rate is slower than the national average growth for all careers. But, many people are needed to work in this career compared with other careers.

EDUCATION & TRAINING

To be a pharmacist, you need to earn a Doctor of Pharmacy (PharmD) degree and be licensed. You must complete an accredited pharmacy program.

Entrance requirements to pharmacy programs vary depending on the college. Most schools prefer if you complete at least 2 years of college before you apply. Some programs require you to have a bachelor's degree to apply. You must have certain math and science courses.

The admissions process is competitive. Most colleges require you take the Pharmacy College Admissions Test (PCAT). Contact the school that interests you to learn exactly what you'll need to get in.

Most pharmacy programs take 4 years to complete. Some colleges have a program you can finish in 3 years. A few schools offer a 6-year program for high school graduates.

In the program, you will study topics like chemistry, drug therapy, and ethics. You also learn how to talk to patients. Some programs offer practical experience in pharmacies as well. This supervised work period may be called an internship.

Once you complete the program, you receive a Doctor of Pharmacy (PharmD) degree. You can then choose to do a 1 or 2-year fellowship or residency as well. For the 2-year option, you will get extra training in an area like geriatric care or internal medicine.

Finally, you are required to get a license from your state. You must pass 2 exams and do an internship. Exact requirements vary by state. Most states also require pharmacists who give vaccinations and immunizations to be certified.

You may plan to own or run a pharmacy. In this case, you must learn how to manage a business and your staff. You can earn a master's degree in business administration (MBA) or a related field.

RELATED MAJORS

Pharmacology

Pharmacy Administration and Pharmacy Policy and Regulatory Affairs

Natural Products Chemistry and Pharmacognosy

Pharmacy

Medicinal and Pharmaceutical Chemistry

Industrial and Physical Pharmacy and Cosmetic Sciences

CAREER EXPLORATION

EARNINGS

Pharmacists can work full time or part time. Most make between \$88,000 and \$161,000 a year. The median salary is about \$126,000 a year.

Earnings depend on level of experience, duties, and the type of business.

Those who work full time usually get benefits as well as a salary. These can include health insurance, paid sick leave, and paid vacation time. Some pharmacists can also earn bonuses. Others take part in profit-sharing programs.



WELL SUITED TO THESE PERSONALITY STYLES

My Styles



Builder



Thinker



Creator



Helper

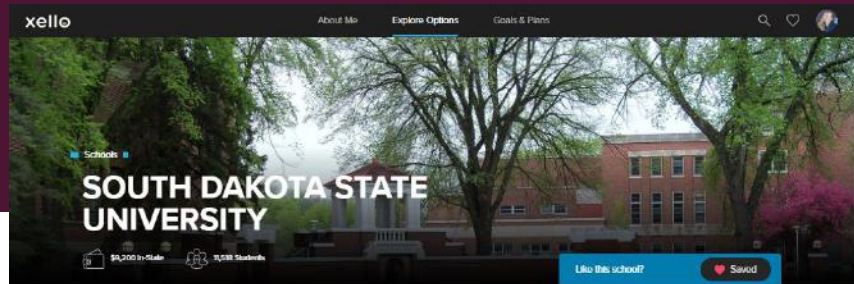


Persuader



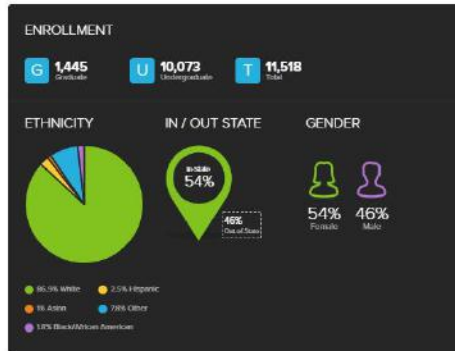
Organizer

COLLEGE EXPLORATION



Do you like to live large? Check out South Dakota State University (SDSU). This school offers tons of ways to dive in and get involved in college life.

Show More



LOCATION
SDSU
Brookings, SD 57007
View Map

CONTACT INFO
605-686-4201
http://www.sdsu.edu/

SIMILAR SCHOOLS

Augustana University
Black Hills State University
Dakota State University
Lake Area Technical College
Northern State University
South Dakota School of Mines and Technology
University of South Dakota

AVERAGE WEATHER



PAYING

☒ In-State ☐ Out-of-State

ESTIMATED EXPENSES

Tuition & Fees	\$9,200
Books & Supplies	\$1,200
Room & Board	\$8,307
Personal Expenses	\$1,743
Transport Costs	\$1,793
TOTAL	\$22,243

FINANCIAL AID*

\$8,636

TOTAL (Expenses less financial aid)

\$13,607

* Financial aid can include grants, loans, scholarships, and work-study jobs. Every student's financial aid varies depending on circumstances.

FINANCIAL AID BREAKDOWN



49%
Financial Aid: Loans & Jobs

51%
Financial Aid: Scholarship & Grants

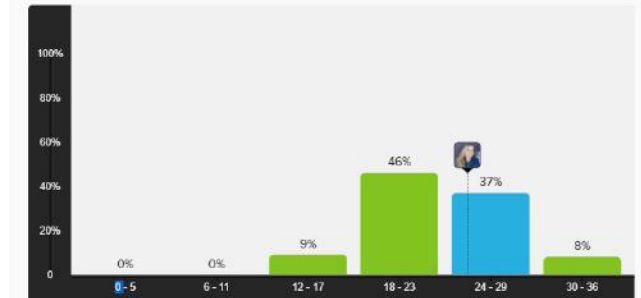
AVERAGE FINANCIAL AID
\$8,636

APPLYING

Average GPA
3.46

ACT COMPOSITE

Your score: **25**



Application Requirements

Admission Factors

Very Important

- ✓ academic GPA
- ✓ class rank
- ✓ rigor of secondary school record
- ✓ standardized test scores

Important

Considered

- ✓ level of applicant's interest
- ✓ application essay
- ✓ first generation
- ✓ recommendation(s)



FOR MORE INFORMATION:

Contact:

Megan Tatum



Megan.Tatum@state.sd.us



ADDITIONAL CAREER EXPLORATION RESOURCES

Career Launch SD was established to increase **student awareness** about career opportunities in their communities and help meet South Dakota's demand for a skilled workforce. The Department of Labor and Regulation (DLR) encourages schools, businesses, parents and others in the workforce to join the effort to increase student awareness about careers so they can make informed decisions as they enter the workforce.

Contact:

Amber Rost



Amber.Rost@state.sd.us



CAREER & TECHNICAL EDUCATION



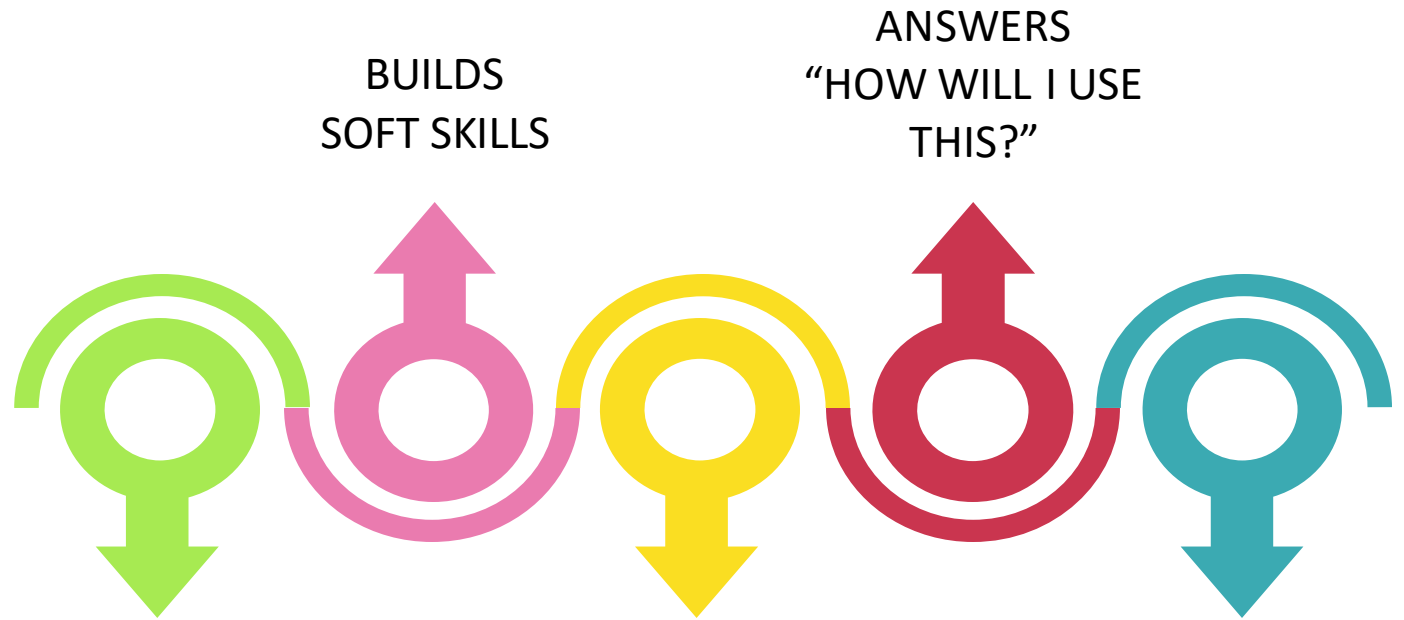
- Career and technical **education (CTE)** is the practice of teaching skills-based careers to students in middle **school**, high **school**, and beyond.
- CTE is for **ALL** students and provides **personalized** pathways to success based on each student's career interests and unique **learning needs**.



WHAT DOES CTE DO FOR STUDENTS?



REAL WORLD READINESS



CAREER CLUSTERS AND PATHWAYS

- South Dakota recognizes and supports **16 career clusters** and their respective **pathways**. Career clusters are designed to help students acquire the **knowledge** and **skills** they need to reach their postsecondary and/or career goals.
- All career clusters have **Foundational CTE Courses** in common. Foundational CTE courses aim to give students foundational knowledge and skills that apply to any career field they may explore or pursue in the future. In a scope and sequence of CTE courses, **Foundational CTE courses** are the first courses that then progress into career cluster or pathway-specific courses.



16 CAREER CLUSTERS

While there are thousands of occupations in our national workforce, the **National Career Clusters Framework** groups occupations into **sixteen different clusters** based on similarities in foundational knowledge and skills needed to achieve career success.



Agriculture, Food and
Natural Resources



Architecture and
Construction



Arts, Audio/Video
Technology and
Communications



Business, Management
and Administration



Education and Training



Finance



Government and Public
Administration



Health Science



Hospitality and Tourism



Human Services



Information Technology



Law, Public Safety,
Corrections and Security



Manufacturing



Marketing, Sales and
Service




Science Technology,
Engineering and
Mathematics



Transportation,
Distribution and Logistics

CAREER CLUSTER PATHWAYS





CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS
Manufacturing

State Approved Courses for


Manufacturing Programs

Foundational CTE Courses			
Career Exploration (22151^)			
Employability (22152^)			
Workplace Technology Skills (10004^)			
Leadership & Service (22101^)			
Cluster Courses			
Introduction to Manufacturing (13001)		Introduction to Technical Education (21051)	Electronics (17106)
Drafting and Design I (21102)		Exploring STEM in CTE (21050)	MS Robotics (21049)
Pathway Courses			
Welding Pathway	Precision Machining Pathway	Design & Engineering Pathway	Automation Pathway
Welding Technology (13207)	Machine Tool Technology (13203)	Introduction to Engineering (21001)	Robotics (21009)
Advanced Welding Technology (13208)	Advanced Machine Tool Technology (13204)	Engineering Design & Development (21007)	Welding Technology (13207)
Ag Metal Fabrication (18404)	Introduction to Manufacturing (13001)	Mechanical Drafting & Design (21106)	Advanced Welding Technology (13208)
Introduction to Manufacturing (13001)			Machine Tool Technology (13203)
			Advanced Machine Tool Technology (13204)
Dual Credit Courses			
Visit https://sdmylife.com/images/Approved-CTE-Dual-Credit.pdf for a full list of dual credit courses in the Manufacturing Career Cluster.			
Supporting Academic Courses			
Geometry (02072^)		Pre-Calculus (02110^)	Physics (03151^)
Capstone CTE Courses			
Entrepreneurship Experience (80026)	Senior Experience (80019^)	Youth Apprenticeship (80020)	Service Learning (22104)
		Youth Internships (80018^)	

^Denotes course is available on the SD Virtual School (<http://www.sdv.s.k12.sd.us/>)

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CAREER CLUSTER PATHWAYS



CareerClusters™
PATHWAYS TO COLLEGE & CAREER READINESS
Business Management & Administration

State Approved Courses for

Business Management & Administration Programs

Foundational CTE Courses

Career Exploration (22151^)

Employability (22152^)

Workplace Technology Skills (10004^)

Leadership & Service (22101^)

Cluster Courses

Introduction to Business (12051^)

Personal Finance (19262^)

Accounting I (12104^)

Marketing Principles (12164)

International Business & Marketing (12056^)

Entrepreneurial Skills (12061)

Advanced Accounting (12109)

Business Economics (12105)

Pathway Courses

Human Resources Pathway	General Management Pathway	Operations Management Pathway	Business Information Management Pathway	Administrative Support Pathway
Business Law (12054^)	Business Law (12054^)	Business Law (12054^)	Business Computer Applications (10005^)	Business Computer Applications (10005^)
Business Management (12052)	Business Management (12052)	Business Management (12052)	Business Management (12052)	Advanced Business Computer Applications (10049)
		Accounting II (12108^)		

Dual Credit Courses

Visit <https://sdmylife.com/images/Approved-CTE-Dual-Credit.pdf> for a full list of dual credit courses in the Business Management & Administration Career Cluster.

Academic CTE Courses

Algebra I (02052^)

Probability & Statistics (02201^)

Psychology (04254^)

Sociology (04258^)

Economics (04201^)

Capstone CTE Courses

Entrepreneurship Experience (80026)

Senior Experience (80019^)

Youth Apprenticeship (80020)

Service Learning (22104)

Youth Internships (80018^)

^Denotes course is available on the SD Virtual School (<http://www.sdvs.k12.sd.us/>)



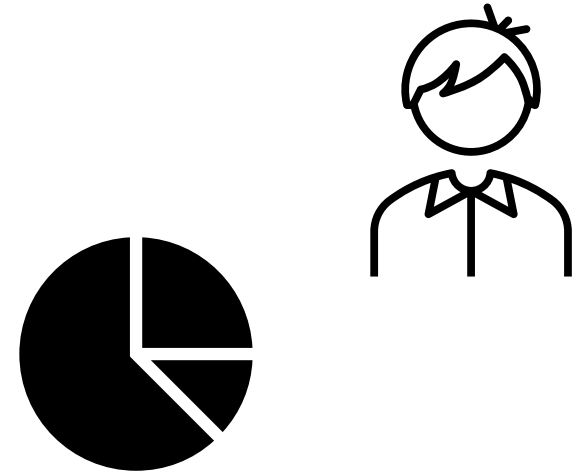
HOW IS CTE CURRENTLY IMPACTING YOUR STUDENTS?

Special Populations (on an IEP) involved in CTE in South Dakota

- Of the 23,764 CTE **participants** statewide in 2019-2020 **2,632** or 10.51% were on an IEP.
- Of the 16,258 CTE **concentrators** statewide in 2019-2020 **1,708** were on an IEP.

A **participant** is any student taking any one CTE course.

A **concentrator** is any student taking two or more CTE courses in any pathway.



HOW IS CTE CURRENTLY IMPACTING YOUR STUDENTS?

South Dakota

Report Card 2021-2022



Current Approved Programs

HOW CAN YOU GET YOUR STUDENTS INVOLVED IN CTE?

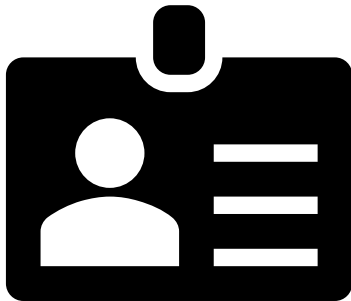


Connect with your student's counselors or CTE teachers.



Ask about specific CTE courses offered at your school and what collaboration is needed to make those courses accessible to your students.

CONTACT ME!



Kara Schweitzer

Career Development Specialist

Special Populations Advocate

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