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?

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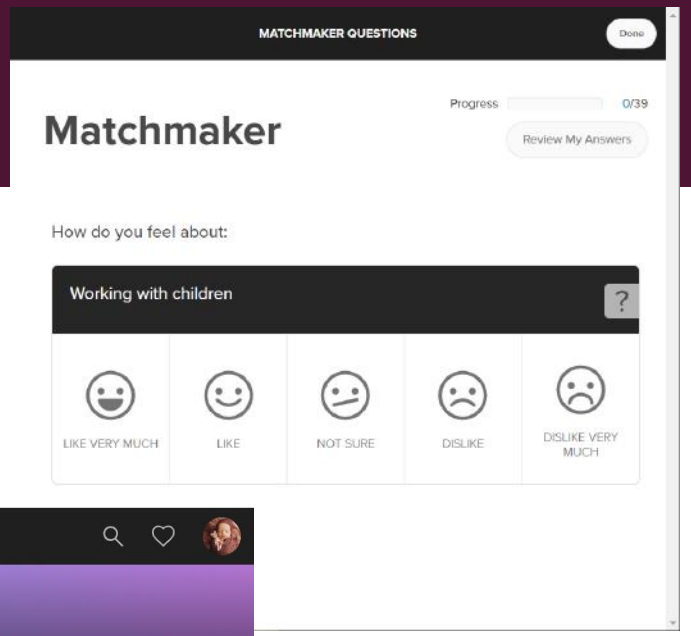
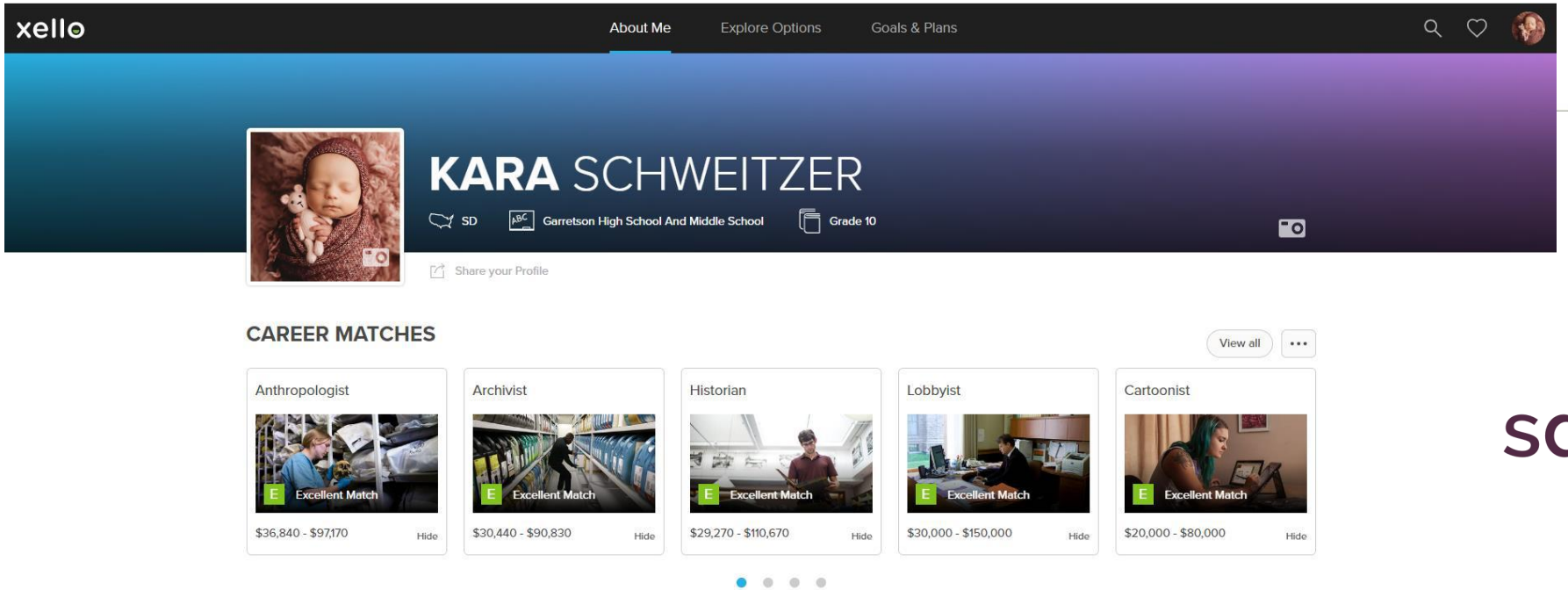
MATCHMAKER





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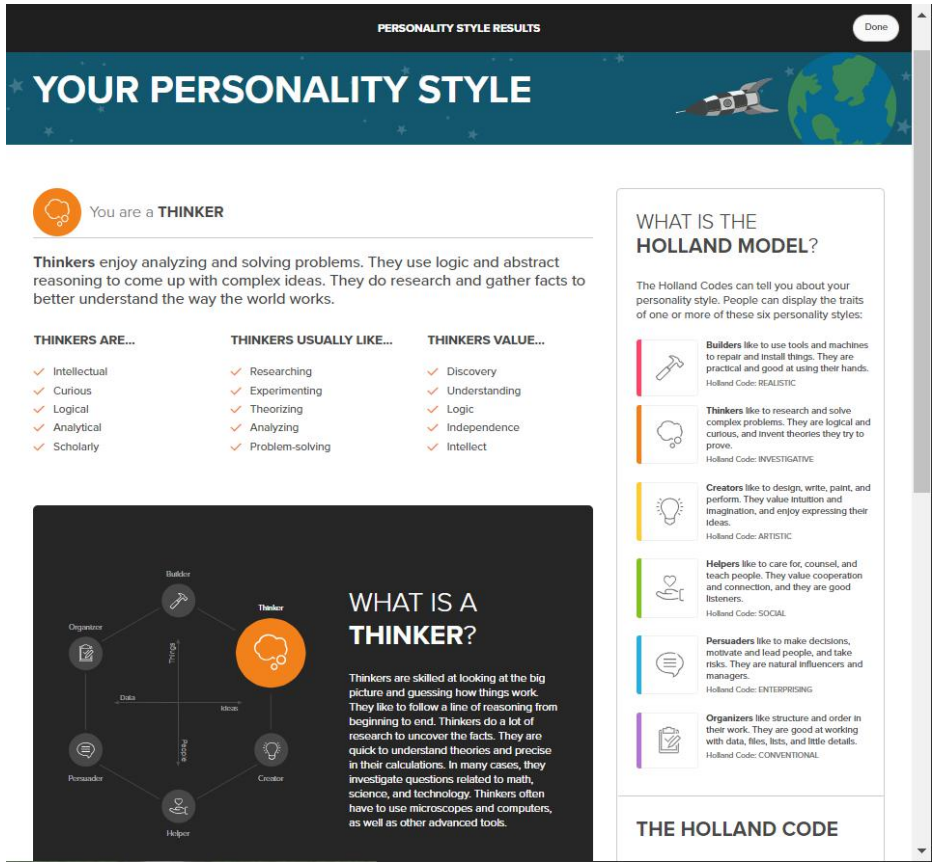
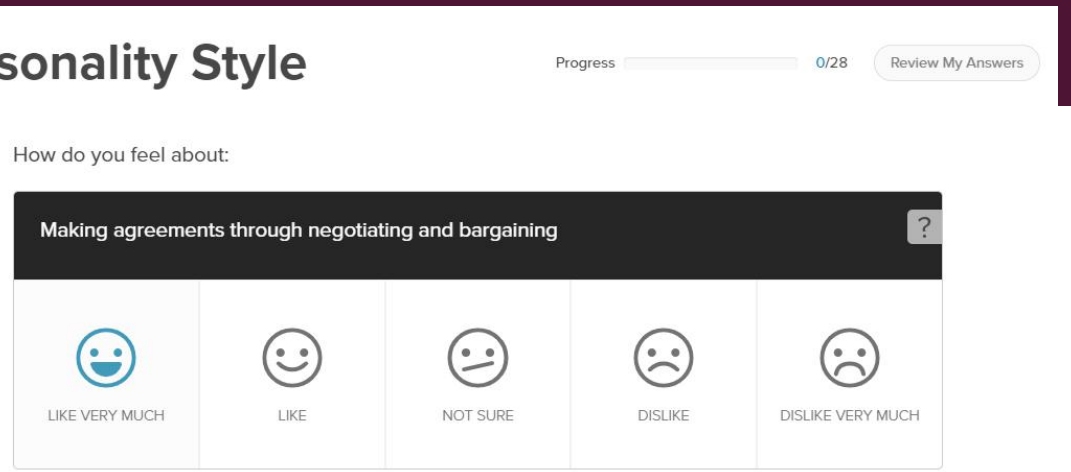
PERSONALITY STYLE





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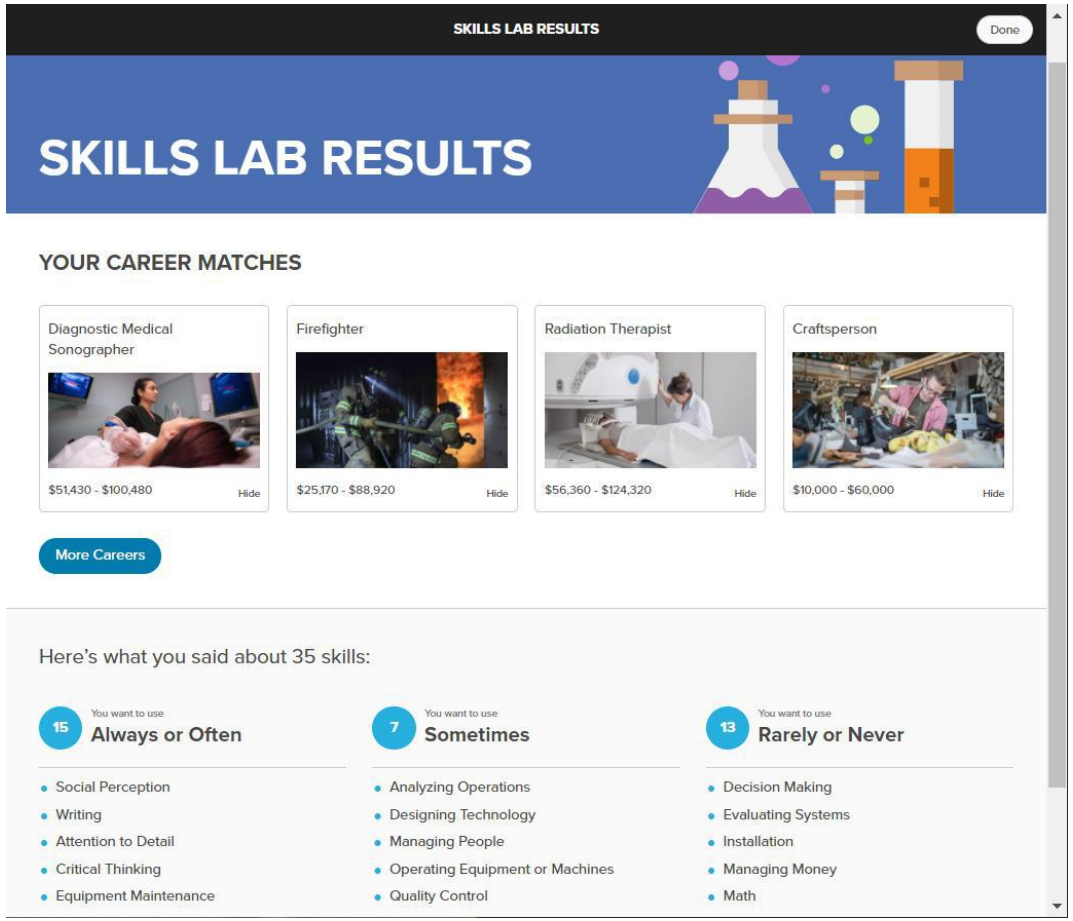
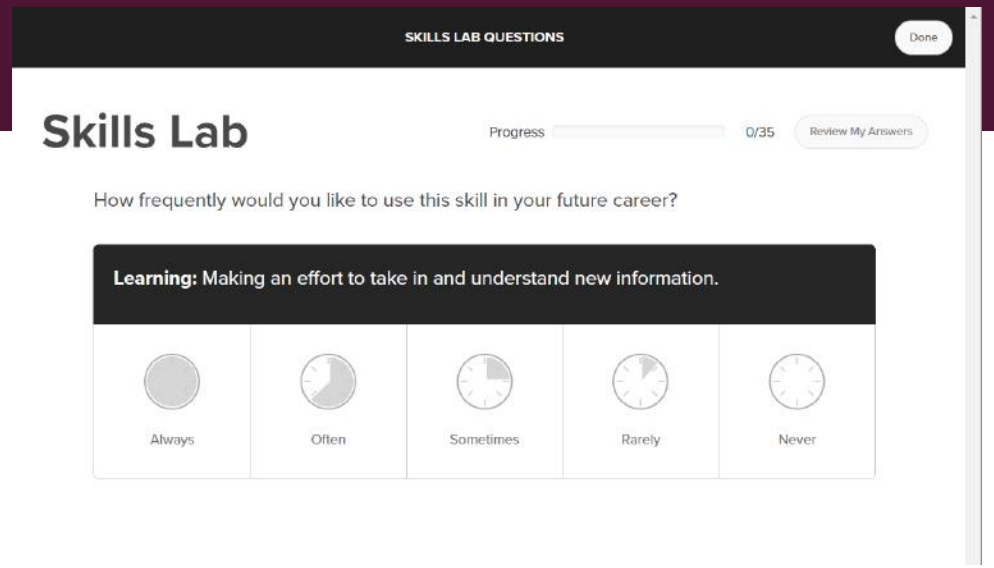
SKILLS LAB





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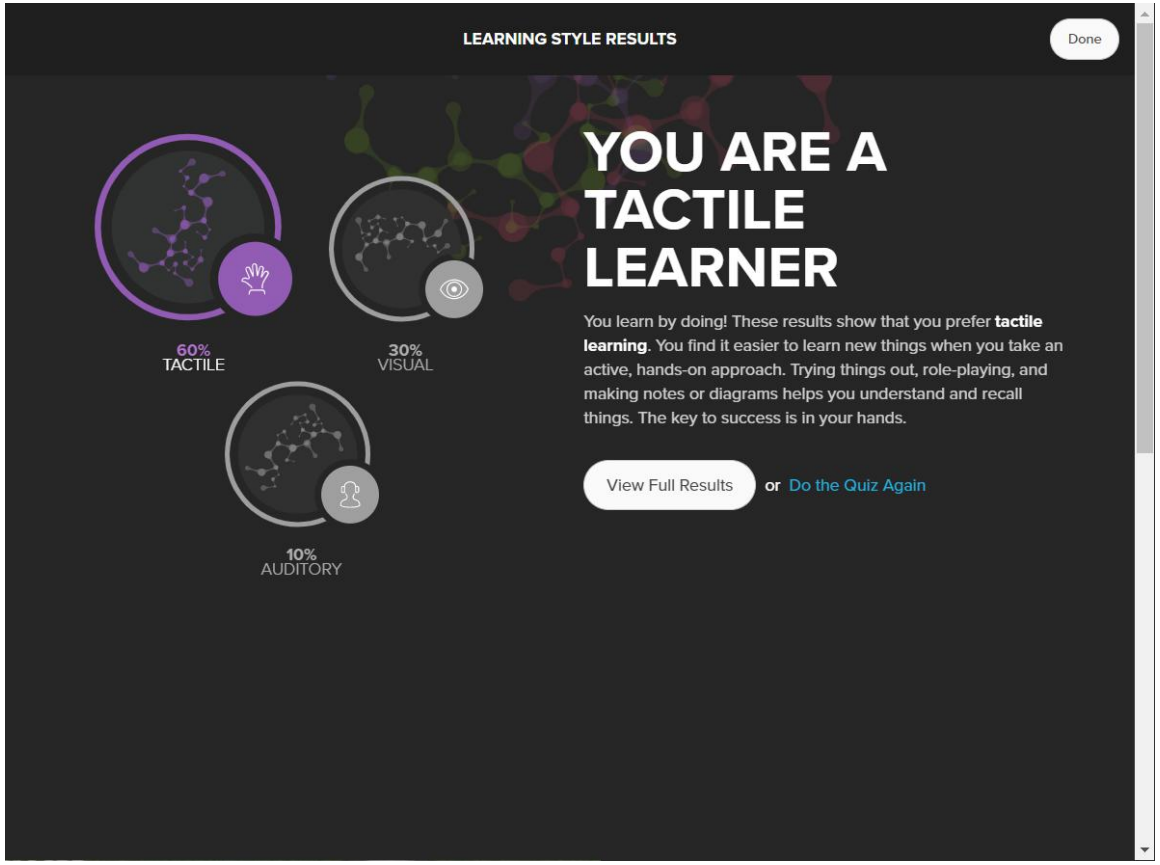
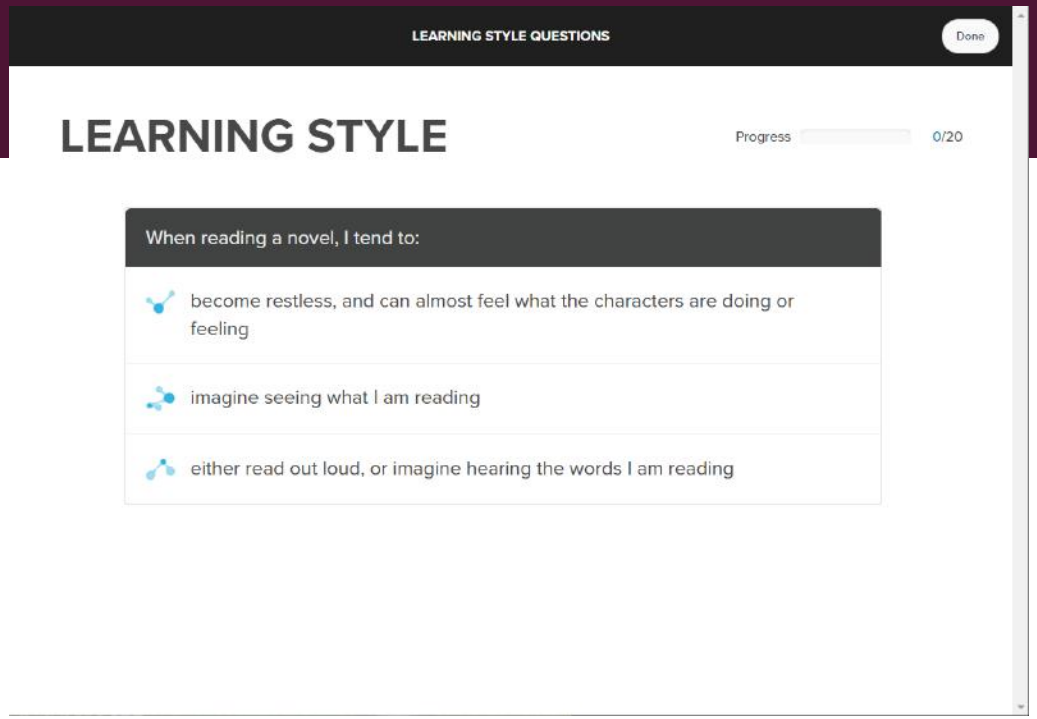
LEARNING STYLE





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EXPLORATION

Over 500
CAREERS

Over 3500
COLLEGES

Over 1400
MAJORS

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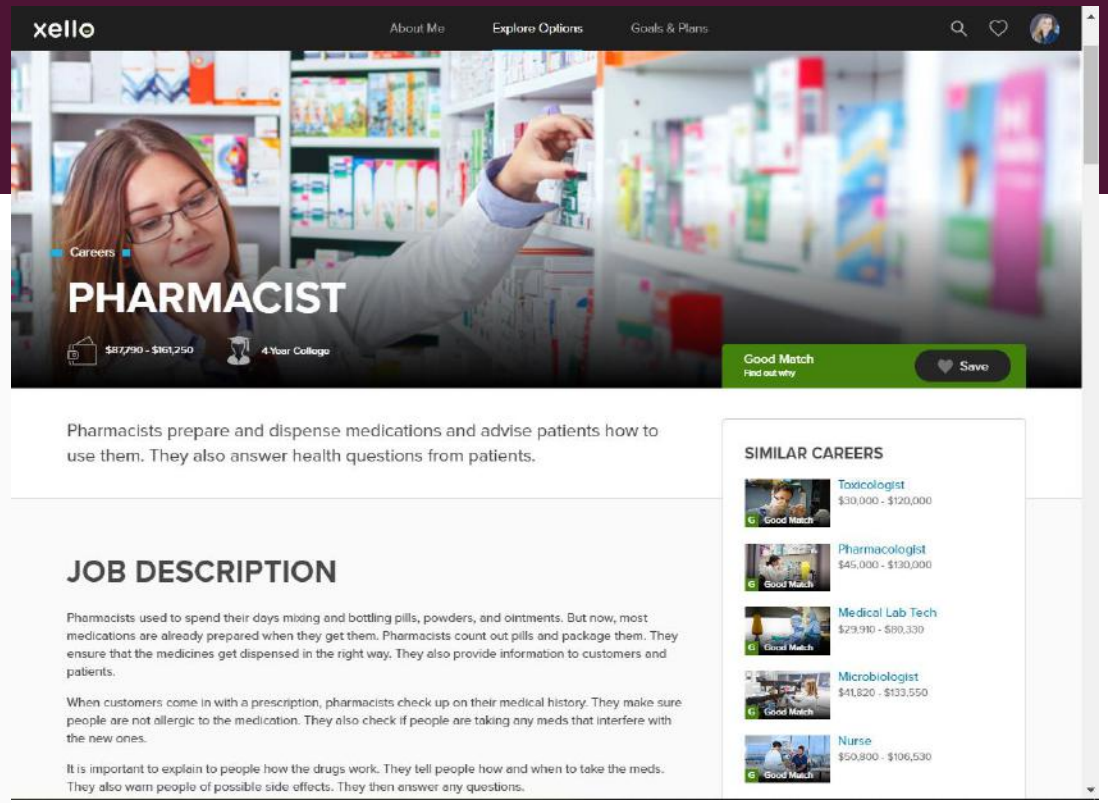
CAREER EXPLORATION



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.

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.

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CAREER EXPLORATION

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

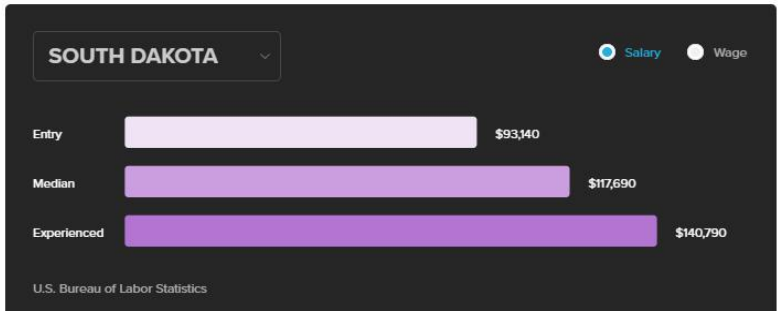
- Pharmacology
- Pharmacy
- Pharmacy Administration and Pharmacy Policy and Regulatory Affairs
- Medicinal and Pharmaceutical Chemistry
- Natural Products Chemistry and Pharmacognosy
- Industrial and Physical Pharmacy and Cosmetic Sciences

EARNINGS

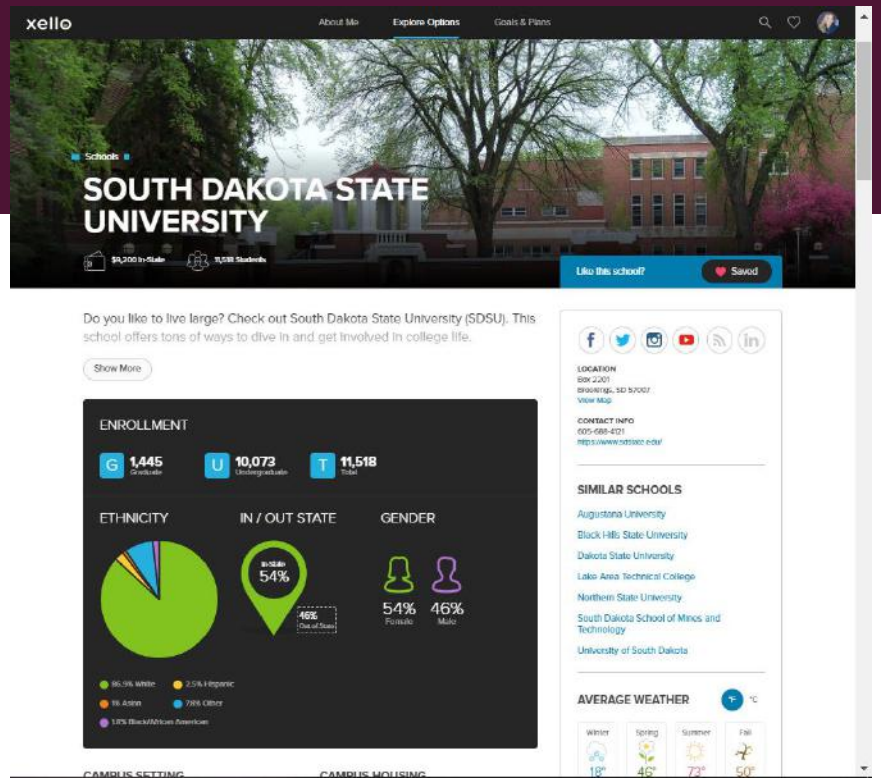
Pharmacists can work full time or part time. Most make between $88,000 and $161,000 a year. The median salary is about $126,000 a year.

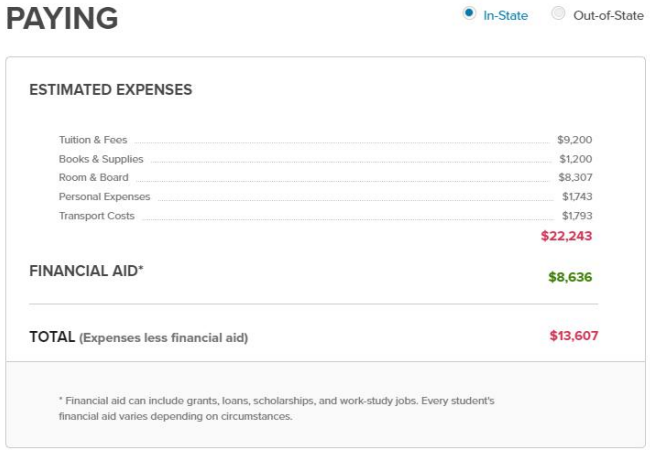
Earnings depend on level of experience, duties, and the type of business.

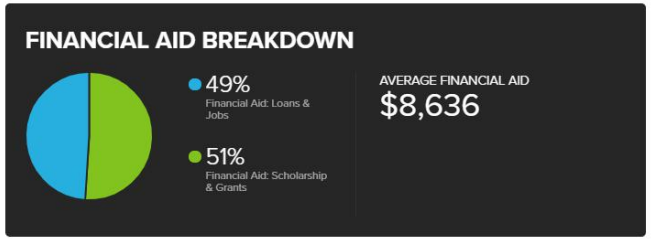
Those who work full time usually get benefits as well as a salary. These can include health insurance, paid sick leave, and paid vacation time. Some pharmacists can also earn bonuses. Others take part in profit-sharing programs.

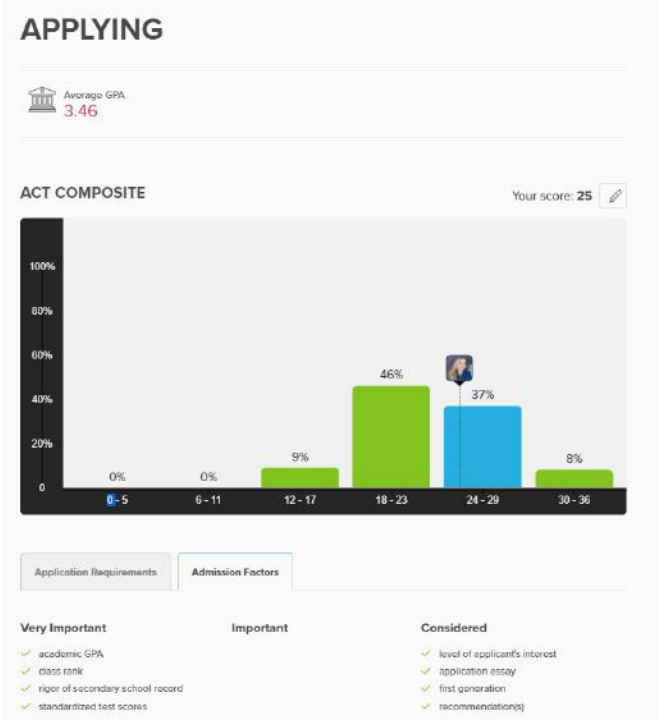


COLLEGE EXPLORATION









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FOR MORE INFORMATION:

Contact:

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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:

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SOUTH DAKOTA DEPT. OF LABOR & REGULATION

CAREER & TECHNICAL EDUCATION

Learning that works for South Dakota
CTE™

- Career and technical **education** (**CTE**) is the practice of teaching skills-based careers to students in middle **school**, high **school**, and beyond.

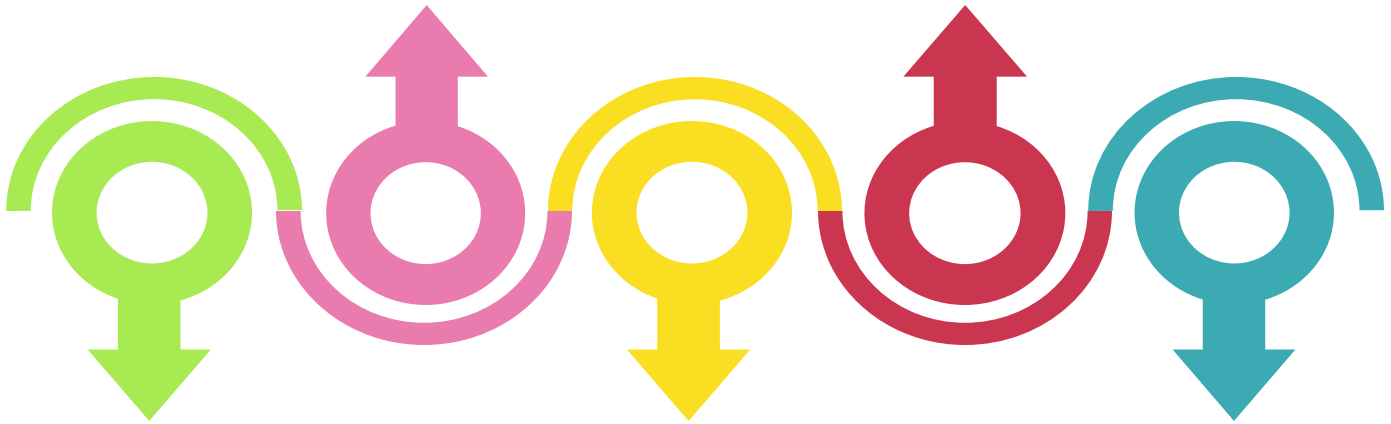
- CTE is for **ALL** students and provides **personalized** pathways to success based on each student's career interests and unique **learning needs**.

WHAT DOES CTE DO FOR STUDENTS?

REAL WORLD READINESS

BUILDS SOFT SKILLS

ANSWERS "HOW WILL I USE THIS?"



CAREER EXPLORATION & PREPARATION

HANDS-ON & ENGAGING

EARN CERTIFICATIONS

Learning that works for South Dakota CTE™

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.

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) Advanced Welding Technology (13208)
Ag Metal Fabrication (18404)	Introduction to Manufacturing (13001)	Mechanical Drafting & Design (21106)	Machine Tool Technology (13203)
Introduction to Manufacturing (13001)			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.sdvs.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 Management (12052)	Business Law (12054^) Business Management (12052)	Business Law (12054^) Business Management (12052) Accounting II (12108^)	Business Computer Applications (10005^) Business Management (12052)	Business Computer Applications (10005^) Advanced Business Computer Applications (10049)

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^)

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Learning that works for South Dakota CTE™

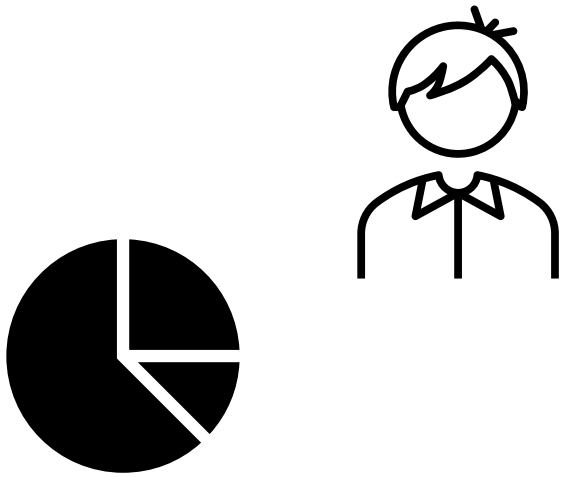
HOW IS CTE CURRENTLY IMPACTING YOUR STUDENTS?

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.



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HOW IS CTE CURRENTLY IMPACTING YOUR STUDENTS?

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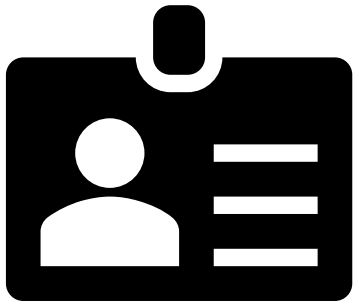
Current Approved Programs

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!



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