

## HIGH SCHOOL DUAL CREDIT

# GATEWAY TO HEALTH SCIENCES

The Gateway to Health Sciences Certificate Program offers high school students in dual credit courses a chance to explore career-focused classes while earning college credits. This certificate provides a jumpstart for South Dakota high school students by exploring the various roles of health professionals within a healthcare team and familiarize themselves with essential healthcare terminology. **View the certificate course plan and potential degree paths below!**

## CERTIFICATE COURSEWORK PLAN

If you are considering a career in health sciences, the courses in the certificate plan below will help you explore that path. \*Completing these courses not only qualifies for an undergraduate certificate but contributes to degree progress within the featured business programs at South Dakota's public universities. Courses that comprise the certificate may count toward general education requirements, major requirements, or electives, depending on your chosen major and university.

### COURSEWORK

Take one of the following:

<b>BIOL/NURS 285</b>	Medical Terminology
<b>HIM 130</b>	Basic Medical Terminology
<b>HSC 250</b>	Healthcare Terminology in the Clinical Setting

Take one of the following:

<b>HSC 110</b>	The Interprofessional Health Team
<b>HSC/BIOL 262</b>	Health Careers Exploration
<b>HIM 150</b>	Introduction to Digital Health Informatics & Information Management

Take the following **or higher**:

<b>MATH 103</b>	Mathematical Reasoning
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Take one of the following:

<b>PHIL 220</b>	Introduction to Ethics
<b>PSYC 101</b>	General Psychology
<b>EPSY/HDFS 210</b>	Lifespan Development

### INDIVIDUAL STUDENT OUTCOMES

- Students will identify specific skills, competencies, and knowledge that healthcare professionals need.
- Develop an understanding of specialized medical terminology and apply this knowledge to specific case studies.
- Students will learn mathematical skills required for coursework in health care program education.
- Students will identify and explain basic concepts in the selected social science or humanities discipline as foundational knowledge for healthcare education.

\*Students who do not complete the certificate coursework in high school can still earn the credential while attending a participating South Dakota public university.



## POTENTIAL DEGREE PATHS

### BLACK HILLS STATE UNIVERSITY

Applied Health Science (Pre-Nursing)  
Biology  
Exercise Science  
Chemistry  
Pre-Professional Health Sciences  
Psychology

### DAKOTA STATE UNIVERSITY

Biology  
Exercise Science  
Health Informatics  
Pre-Professional Health Sciences

### NORTHERN STATE UNIVERSITY

Biochemistry  
Biology  
Chemistry  
Human Performance  
Nursing  
Physical Education  
Pre-Professional Health Sciences  
Psychology

### SOUTH DAKOTA MINES

Pre-Professional Health Sciences

### SOUTH DAKOTA STATE UNIVERSITY

Athletic Training  
Biology  
Biotechnology  
Chemistry - ACS Certified  
Exercise Science  
Food Science  
Health Studies  
Healthcare System Engineering  
Human Biology  
Medical Laboratory Science  
Nursing  
Nutrition and Dietetics  
Pharmacy  
Respiratory Care  
Pre-Professional Health Sciences

### UNIVERSITY OF SOUTH DAKOTA

Addiction Counseling & Prevention  
Biology  
Communication Sciences & Disorders  
Chemistry  
Dental Hygiene  
Health Sciences  
Kinesiology and Sport Management  
Medical Biology  
Medical Laboratory Science  
Nursing  
Pre-Professional Health Sciences  
Psychology  
Public Health  
Social Work