



HIGH SCHOOL DUAL CREDIT GENERAL EDUCATION

HEALTH SCIENCES

ARE YOU INTERESTED IN HEALTH SCIENCES? VIEW THE FOLLOWING MAJORS* AVAILABLE AT SOUTH DAKOTA'S PUBLIC UNIVERSITIES AND GET A HEAD START WITH HIGH SCHOOL DUAL CREDIT (HSDC).

BLACK HILLS STATE UNIVERSITY

Applied Health Science (Pre-Nursing)
Biology
Chemistry
Exercise Science
Pre-Chiropractic
Pre-Dentistry
Pre-Medicine
Pre-Mortuary Science
Pre-Occupational Therapy
Pre-Optometry
Pre-Pharmacy
Pre-Physical Therapy
Pre-Physician Assistant
Pre-Respiratory Therapy
Pre-Veterinary
Psychology

DAKOTA STATE UNIVERSITY

Biology
Exercise Science
Health Informatics
Pre-Accelerated Nursing
Pre-Allied Health
Pre-Athletic Training
Pre-Dentistry
Pre-Medicine
Pre-Occupational Therapy
Pre-Optometry
Pre-Pharmacy
Pre-Physical Therapy
Pre-Physicians Assistant

NORTHERN STATE UNIVERSITY

Biology
Biochemistry
Chemistry
Human Performance
Nursing
Physical Education
Pre-Chiropractic
Pre-Mortuary Science
Pre-Athletic Training
Pre-Dentistry
Pre-Medicine
Pre-Occupational Therapy
Pre-Optometry
Pre-Pharmacy
Pre-Physical Therapy
Pre-Physicians Assistant
Pre-Social Work
Pre-Veterinary
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 & Dietetics
Pharmacy
Respiratory Care
Pre-Chiropractic
Pre-Dental
Pre-Genetic Counseling
Pre-Medicine
Pre-Mortuary
Pre-Occupational Therapy
Pre-Optometry
Pre-Physical Therapy
Pre-Physician Assistant

UNIVERSITY OF SOUTH DAKOTA

Addiction Counseling & Prevention
Biochemistry
Biology
Communication Sciences & Disorders
Chemistry
Dental Hygiene
Health Sciences
Kinesiology and Sport Management
Medical Biology
Medical Laboratory Science
Nursing
Psychology
Public Health
Social Work
Pre-Medicine
Pre-Physical Therapy
Pre-Physician Assistant
Pre-Occupational Therapy
Pre-Chiropractic
Pre-Dentistry
Pre-Veterinary
Pre-Optometry
Pre-Pharmacy
Pre-Podiatry

SAMPLE HSDC PLAN

If you're considering a career in health sciences, these are some General Education courses that we recommend.

General Education curriculum consists of classes in arts and humanities, communication, mathematics, natural sciences, and social sciences. All South Dakota Public Universities require students to take courses in these subjects.

WRITTEN COMMUNICATION

ENGL 101 Composition I
ENGL 201 Composition II

ORAL COMMUNICATION

CMST 101 Foundations of Communication

SOCIAL SCIENCES

PSYC 101 General Psychology
POLS 100 American Government

ARTS & HUMANITIES

ENGL 210 Intro to Literature
PHIL 220 Intro to Ethics

MATHEMATICS

MATH 114 College Algebra

NATURAL SCIENCES

BIOL 151/L—General Biology I & Lab
BIOL 153/L—General Biology II & Lab

These are just suggestions. Other course options compatible with the track are found on the following page.

*Pre-professional programs, such as "Pre-Medical" are not majors that result in a degree. Students can supplement their chosen major with a pre-professional program to help prepare for future career.

HIGH SCHOOL DUAL CREDIT GENERAL EDUCATION RECOMMENDATIONS FOR HEALTH SCIENCES MAJORS

If you're looking to graduate college faster, it's a good idea to focus on taking only the HSDC courses that are necessary to complete your degree. If you're interested in health science careers, view the list of applicable general education courses below. *To view a full list of HSDC courses view Board of Regents policy 2.3.7.*

It is also important to speak with university advisors at the institution you plan to attend. They can help you determine what courses to take based on your test scores, high school preparation, and potential major.

WRITTEN COMMUNICATION

(Pick 2 courses, only ENGL 101 is required at SD Mines)

ENGL 101—Composition I

ENGL 201—Composition II

ENGL 283— Introduction to Creative Writing

SOCIAL SCIENCES

(Pick 2 courses, 1 to meet the civics requirement and the other from a different discipline)

CJUS 201—Introduction to Criminal Justice

ECON 201—Principles of Microeconomics

ECON 202—Principles of Macroeconomics

EPSY 210/HDFS 210—Lifespan Development

HIST 151—United States History I*

HIST 152—United States History II*

POLS 100—American Government*

POLS 250—Intro to International Relations

PSYC 101—General Psychology

SOC 100—Introduction to Sociology

SOC 150—Social Problems

**Meets civics requirement*

ARTS & HUMANITIES

(Pick 2 courses from two different disciplines)

ART 101—Introduction to Fine Arts

ART 121—Design I 2D

ARTH 100—Art Appreciation

ARTH 211—History of World Art I

ARTH 212—History of World Art II

ENGL 210—Introduction to Literature

MCOM 151—Intro to Mass Communications

PHIL 220—Introduction to Ethics*

REL 250—World Religions

MUS 100—Music Appreciation

THEA 100—Introduction to Theatre

THEA 201—Film Appreciation

**This course is required for nursing majors.*

ORAL COMMUNICATION

CMST 101—Foundations of Communications

(Course not required at SD Mines)

MATHEMATICS

(Pick 1 course based on placement and program)

MATH 103—Math Reasoning

MATH 114—College Algebra

MATH 115—Precalculus

MATH 123—Calculus I

MATH 125—Calculus II

MATH 281/STAT 281— Introduction to Statistics

Its most often best for students to exhaust the math curriculum at their high school before moving to Dual Credit. Gaining basic skills in calculus/trigonometry will better prepare students for the coursework they will be required to take.

NATURAL SCIENCES

(Pick 2 courses, minimum 6 credits)

BIOL 151/L—General Biology I & Lab

BIOL 153/L—General Biology II & Lab

CHEM 107/L—Organic & Biochemistry Survey & Lab

CHEM 108/L—Organic & Biochemistry & Lab

CHEM 112/L—General Chemistry I & Lab

CHEM 114/L—General Chemistry II & Lab

CHEM 120/L—Elementary Organic Chemistry & Lab

PHYS 111/L—Introduction to Physics I & Lab

PHYS 113/L—Introduction to Physics II & Lab

Consulting university advisors is critical for determining which science sequence will be best for your desired major. Sciences courses should be completed in sequence. Often, students considering science-based majors are better served by taking lab science courses face-to-face in an actual lab, Dual Credit may not be the best option.