



HIGH SCHOOL DUAL CREDIT

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

- Exercise Science
- Applied Health Science (Pre-Nursing)
- 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

DAKOTA STATE UNIVERSITY

- Biology
- Exercise Science
- Health Informatics & Information Mgmt.
- 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

- Pre-Chiropractic
- Human Performance and Fitness
- Pre-Mortuary Science
- Pre-Athletic Training
- Pre-Dentistry
- Pre-Medicine
- Pre-Nursing
- Pre-Occupational Therapy
- Pre-Optometry
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Physicians Assistant
- Pre-Social Work
- Pre-Veterinary

SOUTH DAKOTA MINES

- Pre-Professional Health Sciences

SOUTH DAKOTA STATE UNIVERSITY

- Athletic Training
- Exercise Science
- Food Science
- Health Education
- Medical Laboratory Science
- Nursing
- Nutrition & Dietetics
- Pharmacy
- Pre-Chiropractic
- Pre-Dental
- Pre-Medicine
- Pre-Mortuary
- Pre-Occupational Therapy
- Pre-Optometry
- Pre-Physical Therapy
- Pre-Physician Assistant

THE UNIVERSITY OF SOUTH DAKOTA

- Addiction Studies
- Biology
- Communication Sciences & Disorders
- Chemistry
- Dental Hygiene
- Health Sciences
- Kinesiology and Sport Science
- Medical Biology
- Medical Laboratory Science
- Nursing
- Psychology
- 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, there 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
- SOC 100 Intro to Sociology

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 goals.

HIGH SCHOOL DUAL CREDIT COURSE 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 from two different disciplines)

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

**These courses are recommended for Nursing, Dental Hygiene, Health Sciences, Medical Biology, & Social Work majors.*

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

In most cases, it is best for students to exhaust the math curriculum at their high school before moving on to Dual Credit. By gaining basic skills in calculus/trigonometry, students will be better prepared 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.