

MAJORS FOR STUDENTS EXPLORING DEGREES IN HEALTH SCIENCES

Are you interested in the health sciences? Here is a list of available majors at SDBOR institutions.

BLACK HILLS STATE UNIVERSITY

- Exercise Science
- Applied Health Science (Pre-Nursing)
- Pre-Medicine
- Pre-Physical Therapy
- Pre-Occupational Therapy
- Pre-Chiropractic
- Pre-Dentistry
- Pre-Veterinary
- Pre-Optometry
- Pre-Pharmacy

DAKOTA STATE UNIVERSITY

- Exercise Science
- Respiratory Care
- 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

- Chiropractic Health Care
- Human Performance and Fitness
- Medical Laboratory Science
- Mortuary Science
- Pre-Athletic Training
- Pre-Nursing

SOUTH DAKOTA SCHOOL OF MINES & TECHNOLOGY

- 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
- General Studies
- 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

COURSE RECOMMENDATIONS FOR STUDENTS EXPLORING DEGREES IN HEALTH SCIENCES

Reduce the time to graduation by only taking the courses necessary to complete a degree. Below are a few recommended courses for students exploring careers in the health sciences. These are to be viewed as suggestions; other course options compatible with this track are listed on page 3.

Consult university advisors at the university you plan to attend for appropriate placement based on test scores, high school preparation & potential major.



ENGL 101— Composition I



ENGL 201— Composition II



CMST 101—Fundamentals of Speech



PSYC 101—General Psychology



HDFS 210—Lifespan Development

OR



SOC 100—Introduction to Sociology



ENGL 210—Introduction to Literature



PHIL 220—Introduction to Ethics

In most cases, it is best for high school students to exhaust the math curriculum at their high school before moving on to dual credit math courses.



MATH 114—College Algebra (*or appropriate course based on placement*) **OR** MATH 281/STAT 281—Introduction to Statistics **OR** MATH 115—Trigonometry **OR** MATH 120—Precalculus
(*MATH 115 & 120 are prerequisites for Calculus I, which is required for some programs in the Health Sciences Track. College Algebra may not be the appropriate option for some programs within this track.*)



CHEM 106/L—Chemistry Survey & Lab **OR**
CHEM 112/L—General Chemistry I & Lab



CHEM 107/L—Organic & Biochemistry Survey & Lab



CHEM 108/L—Chemistry Survey II & Lab **OR**
CHEM 114/L—General Chemistry II & Lab
(*after completing CHEM 106 or CHEM 112*)

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 looking to major in science-based majors are better served by taking lab science courses face-to-face in an actual lab, so dual credit may not be the best option for some students.



Recommended. Inquire whether your institution requires this course for your degree.

These course recommendations fulfill the following general education requirements:



Written Communication



Oral



Social Sciences



Arts & Humanities



Mathematics



Natural Sciences



COURSE OPTIONS FOR STUDENTS EXPLORING DEGREES IN HEALTH SCIENCES

Reduce the time to graduation by only taking the courses necessary to complete a degree. Below is a list of possible courses to fulfill general education requirements for students exploring careers in the health sciences.

Consult university advisors at the university you plan to attend for appropriate placement based on test scores, high school preparation & potential major.



Goal #1: Written Communication *(Students must take two courses, including ENGL 101)*

- ENGL 101—Composition I *(If attending SDSMT, only ENGL 101 is needed)*
- ENGL 201—Composition II
- ENGL 283—Introduction to Creative Writing



Goal #2: Oral Communication

- CMST 101—Fundamentals of Speech *(Course not needed if attending SDSMT)*



Goal #3 Social Sciences *(Pick 2 courses from two different disciplines.)*

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|---|--------------------------------------|
| • CJUS 201—Introduction to Criminal Justice | • POLS 100—American Government* |
| • ECON 201—Principles of Microeconomics | • POLS 250—World Politics |
| • ECON 202—Principles of Macroeconomics | • PSYC 101—General Psychology* |
| • HDFS 210—Lifespan Development* | • SOC 100—Introduction to Sociology* |
| • HIST 151—United States History I | • SOC 150—Social Problems |
| • HIST 152—United States History II | |

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



Goal #4: Arts & Humanities *(Pick 2 courses from two different disciplines)*

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|---|-------------------------------------|
| • ART 121—Design I 2D | • PHIL 220—Introduction to Ethics* |
| • ARTH 100—Art Appreciation | • REL 250—World Religions |
| • ARTH 211—History of World Art I | • GFA 101—Introduction to Fine Arts |
| • ARTH 212—History of World Art II | • MUS 100—Music Appreciation |
| • ENGL 210—Introduction to Literature | • THEA 100—Introduction to Theatre |
| • MCOM 151—Intro to Mass Communications | • THEA 201—Film Appreciation |

*This course is required for nursing majors.



Goal #5: Mathematics

- MATH 114—College Algebra *(or appropriate math course based on placement)*
- MATH 281/STAT 281—Introduction to Statistics

In most cases, it is best for high school students to exhaust the math curriculum at their high school before moving on to Dual Credit math courses.



Goal #6: Natural Sciences *(Students will need at least 6 credits)*

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|--|---|
| • BIOL 151/L—General Biology I & Lab | • CHEM 112/L—General Chemistry I & Lab |
| • BIOL 153/L—General Biology II & Lab | • CHEM 114/L—General Chemistry II & Lab
<i>(after completing CHEM 112/L)</i> |
| • CHEM 106/L—Chemistry Survey & Lab | • PHYS 111/L—Introduction to Physics I & Lab |
| • CHEM 107/L—Organic & Biochemistry Survey & Lab
<i>(after completing CHEM 106/L)</i> | • PHYS 113/L—Introduction to Physics II & Lab |
| • CHEM 108/L—Chemistry Survey II & Lab
<i>(after completing CHEM 106/L)</i> | |

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 looking to major in science-based majors are better served by taking lab science courses face-to-face in an actual lab, so dual credit may not be the best option for some students.