

FORT HAYS STATE UNIVERSITY  
GEOLOGY B.S. DEGREE  
(124-128 HRS)

**GENERAL EDUCATION FOUNDATION STUDIES (18 HRS)**

**GENERAL EDUCATION LIBERAL ARTS DISTRIBUTION (37 HRS)**

HUMANITIES (9 HRS)  
MATHEMATICS AND NATURAL SCIENCES (10 HRS)  
SOCIAL AND BEHAVIORAL SCIENCES (9 HRS)  
INTERNATIONAL STUDIES (6 HRS)  
INTEGRATIVE COURSES: UPPER LEVEL ELECTIVE\*\* (3 HRS)

**GEOLOGY**

GSCI 200 PHYSICAL GEOLOGY AND LAB (5 HRS)  
GSCI 202 HISTORICAL GEOLOGY AND LAB (5 HRS)  
GSCI 310 MINERALOGY (4 HRS)  
GSCI 320 PETROLOGY (4 HRS)  
GSCI 450 STRUCTURAL GEOLOGY/LAB (4 HRS)  
GSCI 452 FIELD METHODS (3 HRS)  
GSCI 454 FIELD STUDIES IN GEOSCIENCES (6 HRS)

**COGNATES**

CHEM 120 UNIVERSITY CHEMISTRY I (5 HRS)  
CHEM 122 UNIVERSITY CHEMISTRY II (5 HRS)  
PHYS 111 PHYSICS I (5 HRS) **OR**  
PHYS 211 PHYSICS FOR SCI. AND ENG. I (5 HRS)  
MACS 331\* CALCULUS METHODS (3 HRS)

PLUS

**SPECIALTY TRACK**

**TRADITIONAL OPTION**

GSCI 660, 662, 663 PALEONTOLOGY (4 HRS)  
SCIENCE ELECTIVES\*\* (SEE OTHER TRACKS) (6 HRS)  
MACS 250\* ELEMENTS OF STATISTICS (3 HRS)  
PHYS 112 PHYSICS II (5 HRS) **OR**  
PHYS 212 PHYSICS FOR SCI. AND ENG. II (5 HRS)  
BIOL 180 PRINCIPLES OF BIOLOGY (3 HRS)  
AND BIOL 180L LAB (1 HR)

**PALEONTOLOGY OPTION**

GSCI 660, 662, 663 PALEONTOLOGY (4 HRS)  
BIOL 180 PRINCIPLES OF BIOLOGY (3 HRS)  
AND BIOL 180L LAB (1 HR)  
BIOL 425 BIOMETRY (3 HRS)  
ELECTIVES\*\* (TWO) IN PALEONTOLOGY **AND/OR**  
BIOLOGY (6 HRS)  
MATH 250 ELEMENTS OF STATISTICS (3 HRS)

**ENVIRONMENTAL OPTION**

GSCI 605 GEOMORPHOLOGY & LAB (4 HRS)  
GSCI 635 HYDROLOGY (3 HRS)  
PHYS 112 PHYSICS II (5 HRS) **OR**  
PHYS 212 PHYSICS FOR SCI. AND ENG. II (5 HRS)  
IDS 499 GLOBAL ENV. ISSUES (RECOMMENDED: 3 HRS)  
SCIENCE ELECTIVE\*\* (3 HRS)

**TECHNOLOGY OPTION**

GSCI 240 INTRODUCTORY GIS (3 HRS)  
GSCI 261 COMPUTER APPLICATIONS (3 HRS)  
PHYS 112 PHYSICS II (5 HRS) **OR**  
PHYS 212 PHYSICS FOR SCI. AND ENG. II (5 HRS)  
MACS 250\* ELEMENTS OF STATISTICS (3 HRS)  
GSCI 674 REMOTE SENSING (3 HRS)

PLUS

**12-14 HOURS OF ELECTIVES\*\***

\*MACS 234 (5 HRS) can be substituted for MACS 331 (3 HRS) plus MACS 250 (3 HRS).

\*\*Electives to be chosen from courses within selected track and in consultation with advisor.