

PHYSICS

Scottsbluff Campus

AA.4008A (65 Credits)

This field of study provides the student with comprehensive knowledge of the principles and skills related to physical science. The field of study is designed to meet the needs of students entering related technical or professional fields, as well as those seeking a general understanding of the physical world.

Objectives

- Provide a basic understanding of physical principles and the interrelationships of all branches of science and mathematics.
- Show how all phenomena are the logical results of the laws of nature.
- Stimulate interest in physics and fields related to physics.
- Develop skills in the use of the scientific method and the use of tools for measuring and collecting data.
- Provide the student with the background needed to increase the chances for success in the technical or professional fields.

Notes

- Students who plan to transfer to a four-year college/university should consult their faculty advisor and the Transfer Advisor early in their WNCC enrollment to determine their curriculum.

Suggested Curriculum

1st Sem, Course	Credit
ENGL-1500 English Composition 1.....	3
CHEM-1600 General Chemistry 1	4
PHED-XXXX Physical Education	1
ANTH, ECON, GEOG, HIST, PHIL, POLS, PSYC, or SOCI - Social Science	3
FREN, GERM, or SPAN - Foreign Language or BIOS, CHEM, or PHYS - Lab Science or Humanities or INFO-1100 Microcomputer Applications 3-5 Electives	3

17-19 Credits

2nd Sem, Course	Credit
SPCH-1200 Speech Communication	3
ENGL-1550 English Composition 2.....	3
MATH-1300 Calculus 1	5
CHEM-1640 General Chemistry 2	4
PHED-XXXX Physical Education	1

16 Credits

3rd Sem, Course	Credit
MATH-2150 Calculus 2	5
PHYS-2400 Physics 1 with Calculus	5
FREN, GERM, or SPAN - Foreign Language or BIOS, CHEM, or PHYS - Lab Science or Humanities or Electives	6

16 Credits

4th Sem, Course	Credit
PHYS-2450 Physics 2 with Calculus	5
MATH-2200 Calculus 3	5
ANTH, ECON, GEOG, HIST, PHIL, POLS,	

PSYC, or SOCI - Social Science3
FREN, GERM, SPAN - Foreign Language
or
BIOS, CHEM, or PHYS - Lab Science
or
Humanities
or
Electives3-5
16-18 Credits