

MATHEMATICS

Scottsbluff/Sidney/Alliance

AA.2701 (63-67 Credits)

This emphasis area prepares the student for transfer to a four-year college or university to major in mathematics.

Objectives

- Provide the basics of analytic geometry, single variable calculus, multivariable calculus, and statistics.

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. The University of Nebraska and the University of Wyoming require a foreign language and it is suggested that electives be used for this purpose. Otherwise, electives may be chosen in an area of interest.
- Students who do not qualify for Calculus 1 should take Trigonometry. Any student going into Math Education should start with Trigonometry.

Suggested Curriculum

1st Sem, Course Credit

MATH-1210	Trigonometry	3
ENGL-1500	English Composition 1	3
PHED-XXXX	Physical Education	1
ANTH, ECON, GEOG, HIST, PHIL, POLS, PSYC, or SOCI - Social Science		3
INFO-1100	Microcomputer Applications	3

13 Credits

2nd Sem, Course Credit

MATH-1300	Calculus 1	5
ENGL-1550	English Composition 2	3
PHED-XXXX	Physical Education	1
ANTH, ECON, GEOG, HIST, PHIL, POLS, PSYC, or SOCI - Social Science		3
Electives		35

15-17 Credits

3rd Sem, Course Credit

MATH-2150	Calculus 2	5
SPCH-1200	Speech Communication	3
BIOS, CHEM, or PHYS - Lab Science		4
Humanities		3
Electives		3

18 Credits

4th Sem, Course Credit

MATH-2200	Calculus 3	5
INFO-1310	Visual Basic	
or		
INFO-1390	Programming: Introduction to FORTRAN	3
Humanities		3
Electives		6

17 Credits