

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	3-5
	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

**Course descriptions and syllabi for these programs can be found on the
WNCC website at**

http://www.wncc.net/programs/courses_by_subject.html