

# MATHEMATICS

Scottsbluff/Sidney/Alliance

## AS.2701A (63-67 Credits)

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

### Objectives

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

### 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 |
|---|--------|
| MATH-1210 Trigonometry .....                                    | 3      |
| ENGL-1500 English Composition 1 .....                           | 3      |
| ANTH, ECON, GEOG, HIST, PHIL, POLS,<br>PSYC, or FACS-1540 ..... | 3      |
| PHED-XXXX Physical Education .....                              | 1      |
| Electives .....   | 3-5    |
| <b>13-15 Credits</b>  |        |
| 2nd Sem, Course   | Credit |
| MATH-1300 Calculus 1 .....                                      | 5      |
| ENGL-1550 English Composition 2 .....                           | 3      |
| PHED-XXXX Physical Education .....                              | 1      |
| Electives .....   | 6-8    |
| <b>15-17 Credits</b>  |        |
| 3rd Sem, Course   | Credit |
| MATH-2150 Calculus 2 .....                                      | 5      |
| SPCH-1200 Speech Communication ...                              | 3      |
| BIOS, CHEM, or PHYS - Lab Science ..                            | 4      |
| Electives .....   | 6      |
| <b>18 Credits</b>   |        |
| 4th Sem, Course   | Credit |
| MATH-2200 Calculus 3 .....                                      | 5      |
| INFO-1310 Visual Basic  |        |
| or  |        |
| INFO-1390 Programming: Introduction to FORTRAN                  | 3      |
| Electives .....   | 9      |
| <b>17 Credits</b>   |        |

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

[http://www.wncc.net/programs/courses\\_by\\_subject.html](http://www.wncc.net/programs/courses_by_subject.html)