

# Mathematics

The mathematics curriculum is designed to provide students with a sound working base in mathematics, develop the student's ability to apply mathematical symbolism, enhance the student's problem solving and critical thinking skills, increase the student's ability to think abstractly, increase the student's ability to work independently on mathematics, and create a positive outlook toward mathematics.

The various mathematics courses provide the necessary foundation for vocational programs, as well as the requirements for the two-year liberal arts programs and preprofessional programs. They also provide preparation for mathematics majors who plan to transfer to a four-year institution.

## Suggested Program of Study for Associate of Science Degree (2 years)

### Freshman Year

FIRST SEMESTER	
Course	Credits
MATH 2000 Analytic Geometry and Calculus I.....	5
BIOS 1010 General Biology or CHEM 1140 General Chemistry I.....	4-5
ENGL 1010 English Composition I.....	3
INFO 1700 Introduction to Internet.....	1
Elective .....	3
	<u>16-17</u>

SECOND SEMESTER	
Course	Credits
MATH 2010 Analytic Geometry and Calculus II.....	5
CHEM 1160 General Chemistry II or PHYS 2030 General Physics I.....	5
English/Literature* .....	3
Elective .....	3
	<u>16</u>

### Sophomore Year

FIRST SEMESTER	
Course	Credits
MATH 2100 Ordinary Differential Equations .....	3
Computer Science .....	3
Social Science* .....	3
Oral Communication*.....	3
Electives .....	3
	<u>15</u>

SECOND SEMESTER	
Course	Credits
MATH 2020 Analytic Geometry and Calculus III.....	5
MATH 2030 Introduction to Statistics.....	3
Behavioral Science*.....	3
Electives .....	6
	<u>17</u>

To earn an associate of science degree, a student must satisfactorily complete a minimum of 60 semester hours that include the general education requirements.

\* See general education requirements.