# MATHEMATICS EMPHASIS — 66 Credits

## ASSOCIATE OF SCIENCE DEGREE (AS)

The Associate of Science Degree with an emphasis in Mathematics offers coursework intended to prepare students to transfer to a four year institution to earn a baccalaureate degree in Mathematics, Mathematics Education or other degrees requiring strong mathematical skills. The degree will also enhance career opportunities in fields that require critical thinking.

**STUDENT LEARNING OUTCOMES - *Graduates of this program will have the opportunity to:***

- Apply problem solving skills.
- Analyze and interpret data problems associated with employment.
- Utilize logical thinking skills to resolve issues that arise in the workplace.
- Analyze and evaluate problem solving skills.

ALL CSN COURSES TRANSFER; HOWEVER, THOSE WITH "B" SUFFIXES SPECIFICALLY DO NOT TRANSFER TO NSC, UNLV, AND UNR. IN SUBJECT AREA LISTED BELOW WHERE SPECIFIC COURSE NUMBERS ARE NOT LISTED, CONSULT A COUNSELOR/ADVISOR TO ENSURE TRANSFERABILITY OF ALL COURSES.

Courses with "G" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

**GENERAL EDUCATION REQUIREMENTS (35 Credits):**

| | CR | SEMESTER |
|---|---|---|
| **ENGLISH:** ENG 100 or 101 or 113 **and** 102 or 114 | 6-8 | _____ |
| **LITERATURE:** ENG 223 or above | 3 | _____ |
| **FINE ARTS:** ART, DAN 101, Music or THTR | 3 | _____ |
| **HUMANITIES:** COM 101 and ENG 223 or above, HIST, International Languages 111 or above, or PHIL | 6 | _____ |
| **MATHEMATICS:** MATH 181 | 4 | _____ |
| **SOCIAL SCIENCES:** (Nine credits must be from three different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113 | 9 | _____ |
| **U.S. AND NEVADA CONSTITUTIONS:** PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217 | 4-6 | _____ |

**SPECIAL PROGRAM REQUIREMENTS (31 Credits):**

| | | CR | SEMESTER |
|---|---|---|---|
| **MATH 132** | Finite Mathematics | 3 | _____ |
| **MATH 182** | Calculus II | 4 | _____ |
| **MATH 251** | Discrete Mathematics I | 3 | _____ |
| **MATH 253** | Matrix Algebra | 3 | _____ |
| **MATH 283** | Calculus III | 4 | _____ |
| **MATH 285** | Differential Equations | 3 | _____ |
| **STAT 152** | Introduction to Statistics | 3 | _____ |
| **Select 8 credits from the following:** | | | |
| **BIOL 189** | Fundamentals of Life Science | 4 | _____ |
| **BIOL 196** | Principles of Modern Biology I | 4 | _____ |
| **BIOL 197** | Principles of Modern Biology II | 4 | _____ |
| **CHEM 121** | General Chemistry I | 4 | _____ |
| **CHEM 122** | General Chemistry II | 4 | _____ |
| **PHYS 180** | Physics for Scientists and Engineers I | 3 | _____ |
| AND | | | |
| **PHYS 180L** | Physics for Scientists and Engineers Lab I | 1 | _____ |
| **PHYS 181** | Physics for Scientists and Engineers II | 3 | _____ |
| AND | | | |
| **PHYS 181L** | Physics for Scientists and Engineers Lab II | 1 | _____ |
| **PHYS 182** | Physics for Scientists and Engineers III | 3 | _____ |
| AND | | | |
| **PHYS 182L** | Physics for Scientists and Engineers Lab III | 1 | _____ |

**66 Total Credits**

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.