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.

Courses with “H” 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, THTR 3 | HUMANITIES: COM 101 and ENG 223 or above, HIST, International Languages 111 or above, or PHIL 6 | 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:

| CR | SEMESTER | 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 | PHYS 180L Physics for Scientists and Engineers Lab I 1 |

and

| CR | SEMESTER | PHYS 181 Physics for Scientists and Engineers II 3 | PHYS 181L Physics for Scientists and Engineers Lab II 1 | PHYS 182 Physics for Scientists and Engineers III 3 | PHYS 182L Physics for Scientists and Engineers Lab III 1 |

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.