**Associate in Science Degree: Civil Engineering Track**

**MATH Description Units**

MATH 103 Calculus with Analytic Geometry 5

MATH 104 Calculus with Analytic Geometry 5

**PHYSICS**

PHYSICS 101 Engineering Physics 5

PHYSICS 102 Engineering Physics 5

**CHEMISTRY**

CHEMISTRY 101 General Chemistry 5

**ENGINEERING (Complete 12 units from the following)**

ENGR 100 Introduction to Engineering 3

ENGR 155 Engineering Graphics4 (under development) 3

ENGR 140 Materials Science and Engineering 3

ENGR 141 Materials Science and Engineering Lab 1

ENGR 152 Engineering Mechanics – Statics2 3

ENGR 156 Programming and Problem Solving in MATLAB 3

ENGR 180 Surveying 3

ENGR 230 Dynamics 3

ENGR 240 Electrical Engineering Fundamentals3 4

ENGR 241 Strength of Materials 3

**Total Units 36**

**Plus General Education Units 27**

**Total for AS Degree 64**

NOTES

1. MATH 108 and PHYSICS 103 courses are recommended before transfer.
2. ENGR 152 is strongly recommended.
3. Requires MATH 108
4. May substitute ENGR 101 AND ENGR 111 for Engineering Graphics.

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**GENERAL EDUCATION**

ENGLISH 101 Freshman English 3

SPCH 101 Public Speaking 3

POL S 101 Introduction to Government 3

HISTORY 117 or 118 United States History5 3

HEALTH 3

PHYSICAL EDUCATION 2

FIRST AID 1

SOCIAL SCIENCE 3

HUMANITIES 3

ARTS, FOREIGN LANG, LIT AND PHILOSOPHY 3