**Associate in Science Degree: Computer Engineering**

**MATH Description Units**

MATH 103 Calculus with Analytic Geometry 5

MATH 104 Calculus with Analytic Geometry 5

MATH 108 Ordinary Differential Equations 5

**PHYSICS**

PHYSICS 101 Engineering Physics 5

PHYSICS 102 Engineering Physics 5

**ENGINEERING and COMPUTER SCIENCE (Complete 12 units from the following)**

ENGR 100 Introduction to Engineering 3

ENGR 240 Electrical Engineering Fundamentals3 4

ENGR 125 Programming Concepts and

 Methodologies for Engineers2 4

CS/IS 135 Programming in C/C++2 3

CS/IS 125 Discrete Structures for Computing 4

CS/IS 211 Data Structures 4

**Total Units 37**

**Plus General Education Units 27**

**Total for AS Degree 64**

NOTES

1. MATH 105 and PHYSICS 103 courses are recommended before transfer.
2. ENGR 125 or CS/IS 135 is strongly recommended.
3. Requires MATH 108

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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