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**Requirements:**

**Lower Division:**

Upper Division:

Chemistry lllA; Physics 151,152,154; at **least three units of a life science course;** Mathematics 122, 123, 224; EE 101, 210, 242.

Economics 300; Mathematics 321, 343, 346A or

370A; EE 310, 330, 340, 342, 346, 347L, 370,

370L, 440, 442, 444, 480, 494; approved

electives to total 135 units.

Option in Computer Science and Mathematics (code 3-6667)

The Computer Science and Mathematics option, offered in the Department of Mathematics, provides a program of study covering **the major areas of computer science and the mathematics used in computer science and its applications. The core curriculum**

**includes introduction to programming, computer systems and organizations, files processing, data structures, programming** languages and their compilers, numerical methods, operating systems, and supporting mathematical courses. The student has ample opportunity to choose elective computer-related course work **in electrical engineering and business.**

**Requirements:**

**Lower Division:**

Upper Division:

English 101 or 317; Electrical Engineering

101; Mathematics 122, 123, 224, 270, 272; and

Physics 151, 152.

Mathematics 321, 323, 325, 326, 343, 324 or

345 or 346, 364A or 380; 422. Electrical Engineering 440, 444; and approved electives to total 132 units.

The high school student planning to enter the program for either option in computer science is advised to pursue a strong program ***in* science and mathematics. Deficiencies in some of the above** areas may result in an extension of the time required to complete a program in this option.

EFFECTIVE: Immediately

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