

Examples of Educational Programs

Computer science: The study of computers which include, but are not limited to, such fields as:

computer hardware *information systems*
computer software *robotics*
computer engineering *computer systems analysis*

Engineering: The science by which the properties of matter and the sources of energy in nature are made useful to humanity in structures, machines, and products, as in the construction of engines, bridges, buildings, mines, and chemical plants. Fields of study would include, but not be limited to:

aeronautical engineering *industrial engineering*
chemical engineering *materials engineering*
civil engineering *manufacturing engineering*
electrical engineering *mechanical engineering*

Life sciences: The study of living things which includes, but is not limited to, such fields as:

biology *physiology*
biochemistry *botany*
biophysics *zoology*
microbiology *ecology*
genetics *behavioral biology*

Mathematics: The study of numbers and the systematic treatment of magnitude, relationships between figures and forms, and relations between quantities expressed symbolically. Fields of study would include, but not be limited to:

statistics *operations research*
applied mathematics

Physical sciences: The study of the material universe which includes, but is not limited to, such fields as:

astronomy *ocean sciences*
atmospheric sciences *physics*
chemistry *planetary sciences*
earth sciences *geosciences*

Technology: The application of mechanical or scientific knowledge. Studies would include, but not be limited to:

applied science
medical radiography
respiratory therapy

Multi / Interdisciplinary Studies: These studies include, but are not limited to:

biological and physical sciences *natural sciences*
systems science and theory *neuroscience*

Health Professions: These studies include, but are not limited to:

medicine (humans and animals)
nursing
radiology
pharmacology