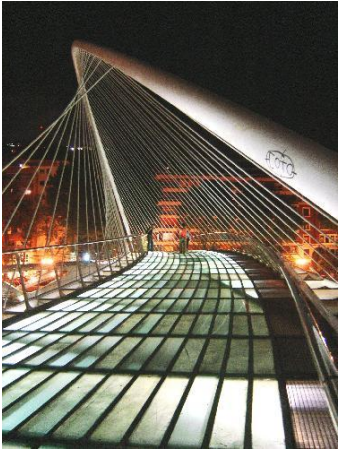


# When Will I Ever Use Math and Science in My Life?

Exploring Engineering



# Have you ever seen these things?

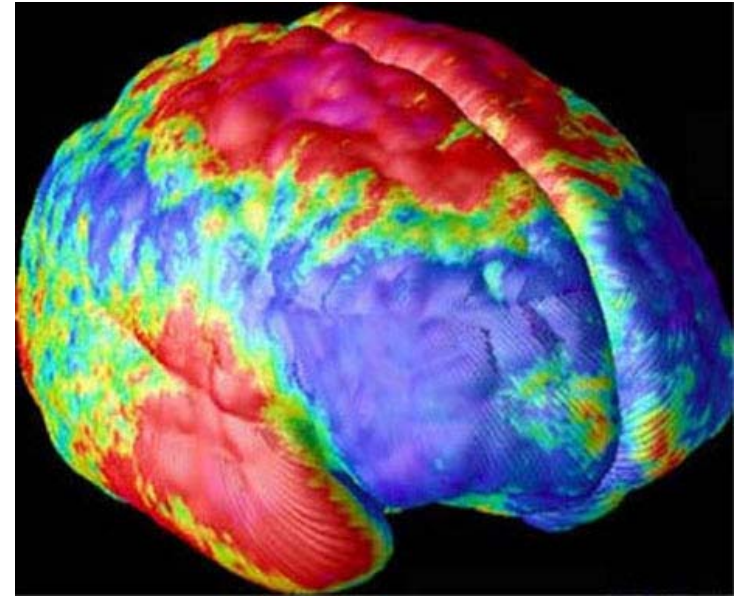


## Who makes them?



# Biomedical Engineering

- Biomedical Engineering is the application of the principles and tools of engineering to the enhancement of scientific research and problem solving in the biological, pharmacological, and medical fields.



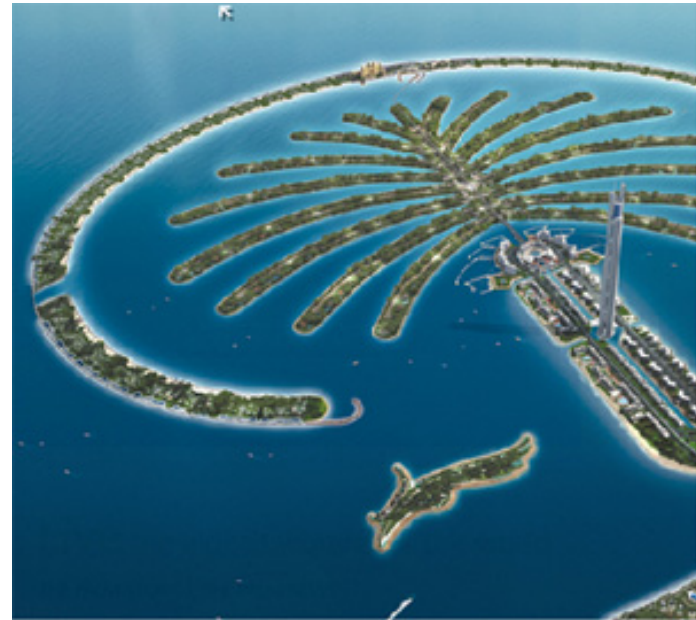
# Chemical Engineering

- Chemical Engineers conduct research and create processes using chemistry. Examples of Chemical Engineering are food processing, alternative fuels, combustion, and cosmetics.



# Civil Engineering

- Civil Engineering involves all aspects of civilization: from transit systems to offshore structures to space satellites. Civil Engineers meet the challenges of pollution, traffic congestion, drinking water, energy needs, and urban development.



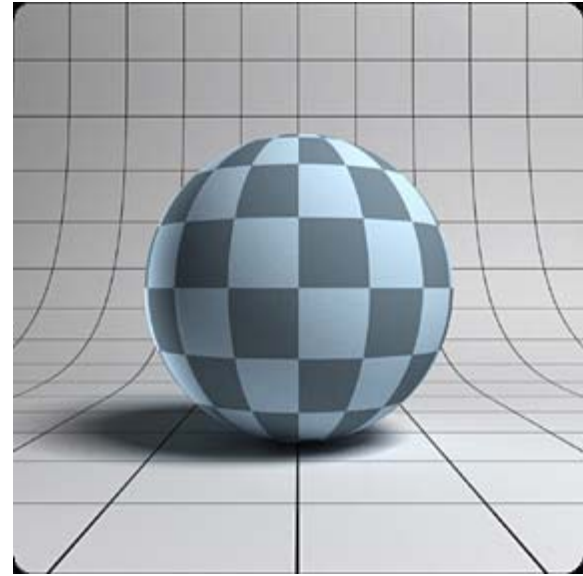
# Computer Engineering

- Computer Engineering focuses on the design and programming of computer chips and integrated circuits. Computer Engineers design and create personal computers, video game systems, medical instruments, digital audio systems, circuitry for automobiles and cell phones.



# Computer Science

- Computer Science is a software oriented degree. Medical imaging, 3D animation, video games, computing, search engines, digital audio recording, etc.



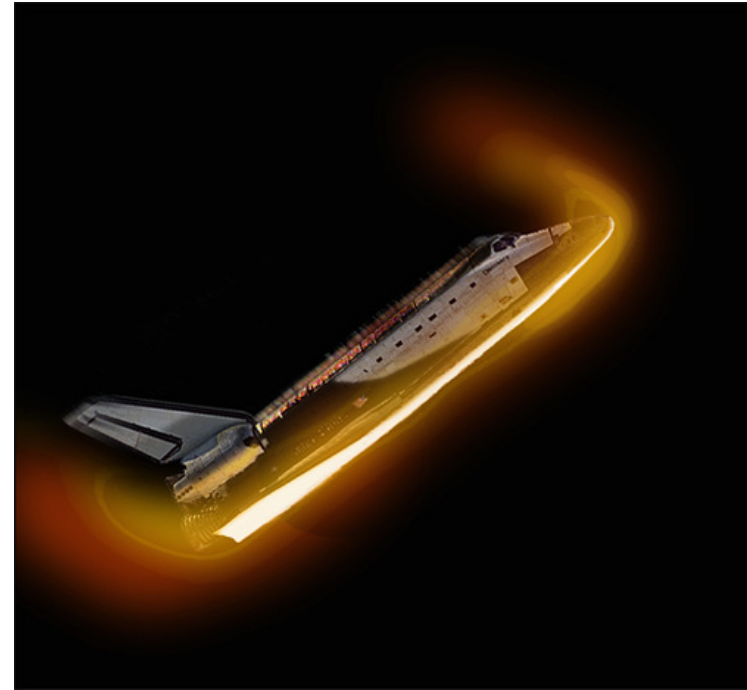
# Electrical Engineering

- Electrical Engineering uses math, physics and other sciences to design electrical devices and systems. Electrical Engineering is one of the driving forces that powers the high-tech industry.



# Materials Science and Engineering

- Materials Scientists create the materials that are used to make everything. They work with ceramics, polymers, metals, etc. to create computers, snowboards, cell phones, synthetic fabrics, ceramic fillings, space shuttle tiles, etc.



# Mechanical Engineering

- Mechanical Engineers predict how energy, forces, fluids and materials will react in either a man-made or natural environment. They work to create motion through power or power through motion. Mechanical Engineers design cars, robots, rockets, assembly lines, and anything else that moves.



Make a Difference...

Shape the Future...

Become an Engineer.



