Who are engineers?

Engineers are creative problem solvers who make our lives better by designing and producing things that benefit people. They apply mathematical and scientific principles to find solutions to the challenges facing our society.

Look around you. An engineer has likely been involved in developing most of the things you see. The homes we live in, the cars we drive, the highways we navigate, the technology we rely upon, the health care we need—engineers make them happen.

Engineering Majors at Penn State

Aerospace Engineering
Architectural Engineering
Biological Engineering
Biomedical Engineering
Biomedical Engineering Technology*
Chemical Engineering
Civil Engineering
Computer Engineering
Computer Science
Computational Data Sciences
Electrical and Computer Engineering Technology*
Electrical Engineering

Electrical Engineering Technology*
Electro-Mechanical Engineering Technology*
Energy Engineering**
Engineering*
Engineering Science
Environmental Systems Engineering**
Industrial Engineering
Interdisciplinary Business w/ Engineering Studies*
Materials Science and Engineering**
Mechanical Engineering
Mechanical Engineering Technology (available as 2- or 4-year degree)*

Mining Engineering**
Nuclear Engineering
Petroleum and Natural Gas Engineering**
Plastics Engineering Technology*
Polymer Engineering and Science*
Rail Transportation Engineering*
Software Engineering*
Structural Design and Construction Engineering Technology*
Surveying Engineering*
Surveying Engineering Technology*

*Offered only at Penn State Commonwealth Campuses
**Offered through the College of Earth and Mineral Sciences

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