

WHAT IS ENGINEERING TECHNOLOGY?

Engineering Technology is the profession in which a knowledge of the applied mathematical and natural sciences gained by higher education, experience, and practice is devoted to the application of engineering principles and the implementation of technological advances for the benefit of humanity.

Engineering Technology education for the professional focuses primarily on analyzing, applying, implementing and improving existing technologies and is aimed at preparing graduates for the practice of engineering closest to the product improvement, manufacturing, and engineering operational functions.

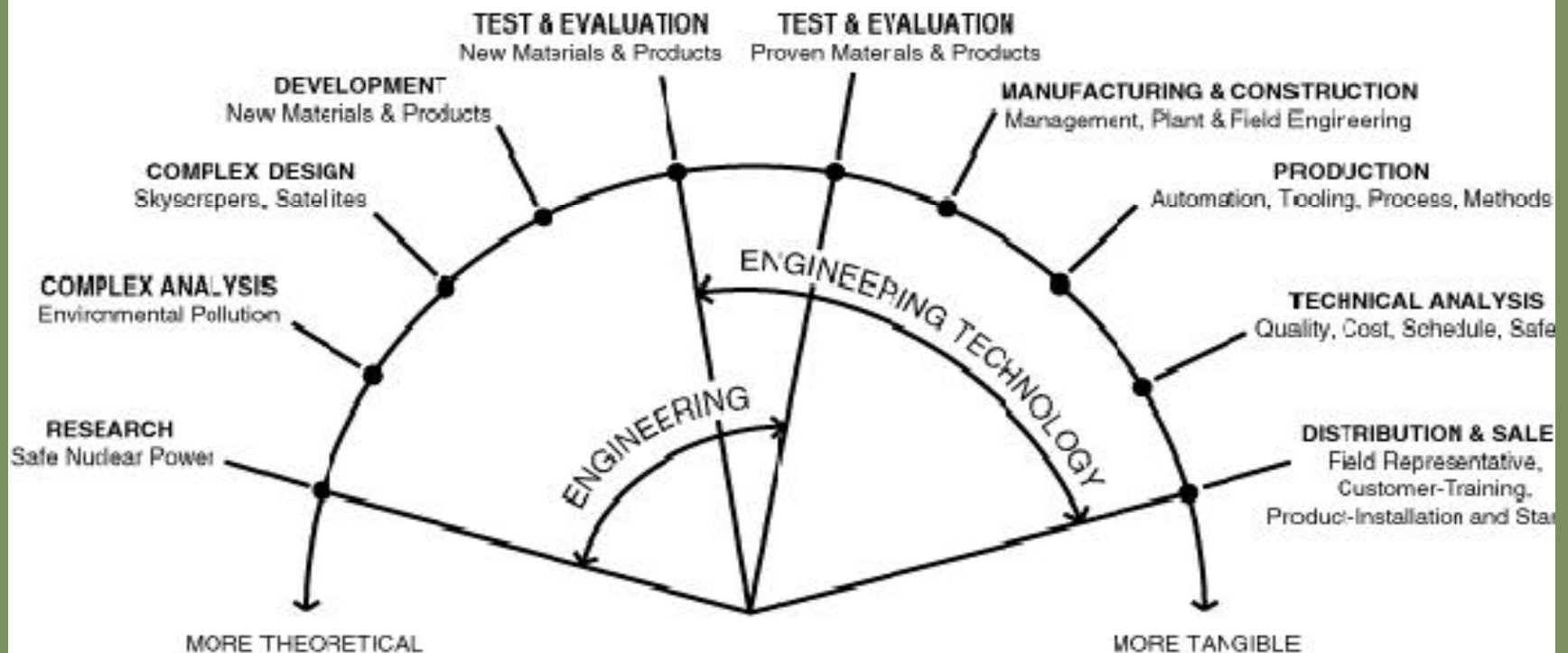
WHAT IS ENGINEERING?

Engineering is the profession in which a knowledge of advanced mathematical and natural sciences gained by higher education, experience, and practice is devoted to the creation of new technology for the benefit of humanity.

Engineering education for the professional focuses primarily on the conceptual and theoretical aspects of science and engineering and is aimed at preparing graduates for the practice of engineering closest to the research, development and conceptual design functions.

WHAT IS THE DIFFERENCE?

What's the difference?



**SPECTRUM OF ENGINEERING TECHNOLOGY & ENGINEERING JOBS
AND JOB FUNCTIONS IN INDUSTRY**

HISTORY OF ENGINEERING TECHNOLOGY

After World War II Engineering Technology evolved as an offshoot of Engineering, where stronger emphasis is laid on applications of mathematics and science.

Degrees were offered in Engineering Technology, wherein the “hands on” component was made a big part of the training.

-

Engineering Technology

vs

Engineering

Similarities

- Both require sound math and science background
- Both deal with current and emerging technology
(difference only lies in the focus)

Differences

Engineering

- Education emphasizes the theoretical or analytical aspects of engineering.
- Prepares students for a career in research and development of new products and technology

Engineering Technology

- Education emphasizes the practical aspects of engineering. Involves less theory and more labs.
- Prepares students to take an idea and turn them into marketable products.



Examples of Jobs

- A four year engineering technology degree can qualify a person to apply for the following jobs
 - Systems Engineer
 - Process Analyst
 - Technical Sales Engineer
 - Network Supervisor
 - Project Engineer
 - Calibration Engineer
 - Programmer