



Telecommunication Engineering



Telecommunication engineering is a branch of engineering relating to the exchange of information that takes place across channels via either wired or wireless means. This field combines parts of electrical engineering, computer engineering, and systems engineering to design and advance telecommunications.



Responsibilities of a Telecommunication Engineer

Design

Engineers must design electronic components, software, products, or systems to be used for commercial, industrial, medical, military, or scientific applications.

Develop

Engineers have to maintain and test procedures for electronic components and equipment.

Test

Engineers evaluate systems and then recommend design modifications or repair for equipment.

Debug

Engineers inspect electronic equipment, instruments and systems to ensure they are safe to use.

Telecommunication Companies



Significance of Telecommunications

Telecommunications is integral to effective and reliable communications across businesses, governments, communities, and families. Telecommunication companies have built the infrastructure that enables the exchange of voice, words, video, and audio anywhere on Earth.

Average Telecommunications Engineer Salary in the United States:

\$86,527

Relevant Courses

EEL 4512 - Communication Systems
EEL 4519 - Telecommunication Engineering
EEL 4461 - Intro to Antennas