

ENGINEERS

Engineers are problem solvers who apply science, mathematics, and practical experience to design, build, and improve the world around us. Their work supports nearly every aspect of modern life—from infrastructure and transportation to electronics, medicine, energy, and communications.

The Engineering Spirit

Engineering reflects a commitment to innovation, precision, and service to society. Common themes include Engineering the future, Turning ideas into reality, Strength through precision engineering, and Design. Build. Excel.

Engineering Societies and Professional Organizations

Engineering societies support professionals across many disciplines. Some are broad and interdisciplinary, while others focus on specific technical fields. Many offer professional credentials and help prepare future engineers.

Selected Engineering Organizations

American Institute of Chemical Engineers (AIChE)

<https://www.aiche.org/>

American Society of Civil Engineers (ASCE)

<https://www.asce.org/>

American Society of Mechanical Engineers (ASME)

<https://www.asme.org/>

Institute of Electrical and Electronics Engineers (IEEE)

<https://www.ieee.org/>

SAE International

<https://www.sae.org/>

American Society for Engineering Education (ASEE)

<https://www.asee.org/>

Why Engineers Matter

Engineers transform ideas into practical solutions that improve quality of life, strengthen economies, and address global challenges through responsible and ethical design.