

BECOMING AN ENGINEER

There are many things you can do now to explore the opportunities in engineering. Getting involved in math and science-based extracurricular activities, talking to parents and teachers about the career, and reading about the variety of different disciplines can provide a great start. Some helpful web links are below.



Organizations and Activities:

- ♦ **MATHCOUNTS**
(www.mathcounts.org)
- ♦ **DiscoverE**
(www.discovere.org)
- ♦ **Science Olympiad**
(www.soinc.org)
- ♦ **Odyssey of the Mind**
(www.odysseyofthemind.com)
- ♦ **Engineering for Kids**
(www.engineeringforkids.net)

GETTING LICENSED



In addition to developing cutting-edge technology, engineers make sure new designs are safe for the public to use. By putting their name on their design, engineers are doing just that. Similar to doctors being licensed to practice medicine, Professional Engineers are licensed too.

Professional Engineers have not only obtained an engineering degree from an accredited university, but have passed competency exams, and have practiced for at least four years under another PE. In this way, the seal carries with it evidence that the person is experienced, knowledgeable, and responsible.



www.tspe.org

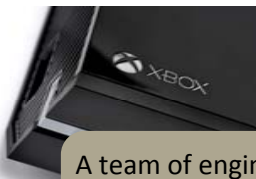
ENGINEERING THE FUTURE



ENGINEERS

WHO WE ARE

An engineer is a problem solver. Engineers are involved with the development of nearly every aspect of your world — from cars and buildings, to sporting gear, food products, and medical devices. Engineers help create things that started only as a dream and improve things that have been around for many years. Do you like figuring out new ways to do things? Are you curious about how things work? Would you like to help make the world a better place? If so, you may be interested in a career in engineering and become a successful problem solver!



A team of engineers developed the Xbox One—from the game graphics to the controllers.



Engineers get to be involved in a variety of different ways to improve the world: development of cell phone/computer technology, space exploration, improvement of artificial limbs, design of bridges and buildings, environmental impact review, and even pioneering the way power is generated. The possibilities are endless with engineers helping stretch the boundaries everyday.

TOP 10

Engineering majors are regularly among the **TOP 10** most valuable college majors, offering higher starting salaries than other majors.

WHAT WE DO

WHERE WE WORK

One of the great parts about a career in engineering is that engineers work anywhere. From the outdoors, to an office, or even a laboratory, engineers get to experience the behind-the-scenes action on a daily basis. Want to work on an oil rig in the middle of the ocean? Engineers are there. Interested in working in a lab to develop life-saving devices? Engineers do that. Prefer variety? Many engineering jobs involve time spent in several locations.

