



Engineering to a T

5 ways to boost your career

"[E]mployers—just ten years ago—expected entry-level employees to be deep in at least one system and one discipline, including analytical thinking and problem solving. [Phil Gardner] dubbed this the I-Shaped employee. However, Gardner says that today's employer's expectations are **T-Shaped**. That is, employers now expect entry-level employees also to have **soft skills** and knowledge including communication, teamwork, networking, critical thinking, global understanding, perspective, organizational culture, and project management."

Kirsten Kennedy and John R. Purdie II,
'Closing the Gap Between College Entry and Employment' from *About Campus*



So, here are the top skills you need to become the **T-shaped Engineer** that is in demand by top companies, plus some further reading we like on how to get there:

① Communication

5 ways for engineers to improve their communication skills
(source: theengineer.co.uk)

② Teamwork

Why and Where is Teamwork important?
(source: forbes.com)

③ Networking

Networking for young scientists – how to do it and why you should'
(source: wiley.com)

④ Critical Thinking

Applied Disciplines:
A Critical Thinking Model for Engineering
(source: criticalthinking.org)

⑤ Project Management

The Engineer as a Project Manager:
Key Skills to Acquire
(source: globalspec.com)

Global Understanding
Decision making

Perspective
Documentation

Organizational Culture
Ethical responsibility

Leadership

Self Awareness

Adaptability

Knowledge of contemporary issues

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Depth of Technical Knowledge & Systems

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