



From the basic exploration completed previously, Robotics Engineers can work for many different companies, providing skills for very different products, services, or agencies.

In this lesson, we are going to go a bit deeper into the job field of Robotics Engineering to find out more about where they work, and see if some of the natural interests and skills you have or are developing fit well with these job-types. Once you finish, you will be expected to reflect upon and use your vision and creativity combined with information you've learned to write up a journal entry of a typical day at work for you in the future as a Robotics Engineers.

Let's take a look at some of the actual leading technology firms and companies, where their offices are at and how they look and operate on the inside. Then you are going to read a few articles on a "day-in-the-life" of a Robotics Engineer and then finish a brief series of questions to inventory the types of work you find most appealing, and let the O\*Net Occupational Tool help identify some potential aptitude strengths and job areas for you.

Video Content-

Guiding Questions:

As you select at least 3 of the companies from the playlist, **record in your notes** information that describes the working conditions, the type of offices,

- Where do people sit or how do they physically work
- How do they communicate, what are the size of the teams, how are they organized?
- How are people supervised or guided in their work?

<https://www.youtube.com/watch?v=u73ysmwGc5Y>

<https://connectedstudios.org/url-zvshsrn9KkgwSynhiuxJHLDtWfCmWpeCD-kAeUYK>

<https://www.youtube.com/watch?v=n2hsB5Y7ghs>

<https://ca.pbslearningmedia.org/resource/nvrr-sci-robotfuture/wgbh-nova-rise-of-the-robots-engineering-a-robotic-future/#.Wm9tK4jwYuU>

<https://www.youtube.com/channel/UCW2eNKOeNIvI6MgFNKwLgBO>

[https://www.youtube.com/watch?v=Y3M7NyZ\\_ENY](https://www.youtube.com/watch?v=Y3M7NyZ_ENY) USC Robotics Lab

<https://www.youtube.com/watch?v=FEeTLopLkEo> TED Talk- Future of Female Engineers.

**Answer these questions in your notes:**

- What was their initial interest and drive to work as a Robotics Engineer?
- What kind of formal and informal training or education did they complete to have the skills necessary to enter this job field?
- Did they do other related work as part of their pathway towards their eventual job area?
- What kinds of skills and attitude seems to be necessary based on the author's perspective of their job journey
- What do they have to constantly learn, or read, or review as part of their process?
- What sources of information do they pay attention to on their teams or from other sources?
- What software and equipment do they rely on or discuss in their article?
- What acronyms do they use, or terminology that you aren't familiar with (look them up and find out what each item means)?

<https://interestingengineering.com/top-5-engineering-jobs-future>

<https://www.ri.cmu.edu/> navigate through the website for information

<http://robotics.usc.edu/> navigate through the website for information

You can either respond to the questions as part of a journal assignment, or you can use this

[Career Map guide](#) to organize the journey.

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You will use the O\*Net My Next Move Interest Profiler tool to pull a list of aptitudes and job-types that match up to the way you answer a series of questions



O\*Net "My Next Move" Profiler tool. <https://www.mynextmove.org/explore/ip>

As an extension, you can use a completely separate profile assessment tool to check for consistency with the O\*Net profiler tool. <https://www.cacareerzone.org/assessments>

