

So you want a career in robotics?

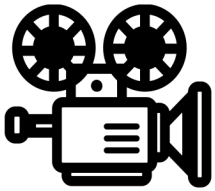
MYTHBUSTER!

You don't have to have a robotics degree to work with robots.

If you have a degree like these then you could work in robotics.

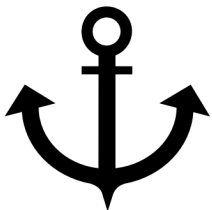
Maths
Design
Physics
Linguistics
Computer Science

Electrical Engineering
Industrial Engineering
Mechanical Engineering
Manufacturing Engineering



Broadcasting

Viewers now expect high speed, multiple angle shots of high profile events. Previously, heavy, slow cameras were used on rigs, which required a high number of operators. Now, such shots are produced by using robotic cameras, which can pan at high speeds, follow fast moving targets, and are highly precise.



Offshore

Following high-profile oil leaks from offshore rigs and the location of new oil and gas reserves in more extreme, hostile and hard to reach areas, ROV's are used, instead of human teams, to inspect, maintain and repair underwater oil and gas fields. Using robotics can reduce rig days by 40 per year. By using robotic drones rather than rope access technicians, inspection data can be collected in five days rather than eight weeks.



Medical

Robotics is becoming increasingly common in the medical sector in a variety of forms. Robots can be used by surgeons for remote surgery. The medical robotic systems market has been rapidly expanding in the last few years. It is expected to grow to \$13.6 billion by 2018. Surgical robots are expected to have the largest revenue share.



Industry

Collaborative robots are used in many factories to work alongside humans, doing repetitive or dangerous jobs. This reduces costs for the business and increases efficiency. A Chinese firm has set up the first unmanned factory, where all processes are controlled by robots. By 2018, 1.3 million industrial robots will be working in factories globally.

The robotics industry is developing at a rapid rate and robots need compact, lightweight, zero backlash, repeatable, accurate and high torque gears. That's why industry leaders come to Harmonic Drive.