Branch: Electrical engineering
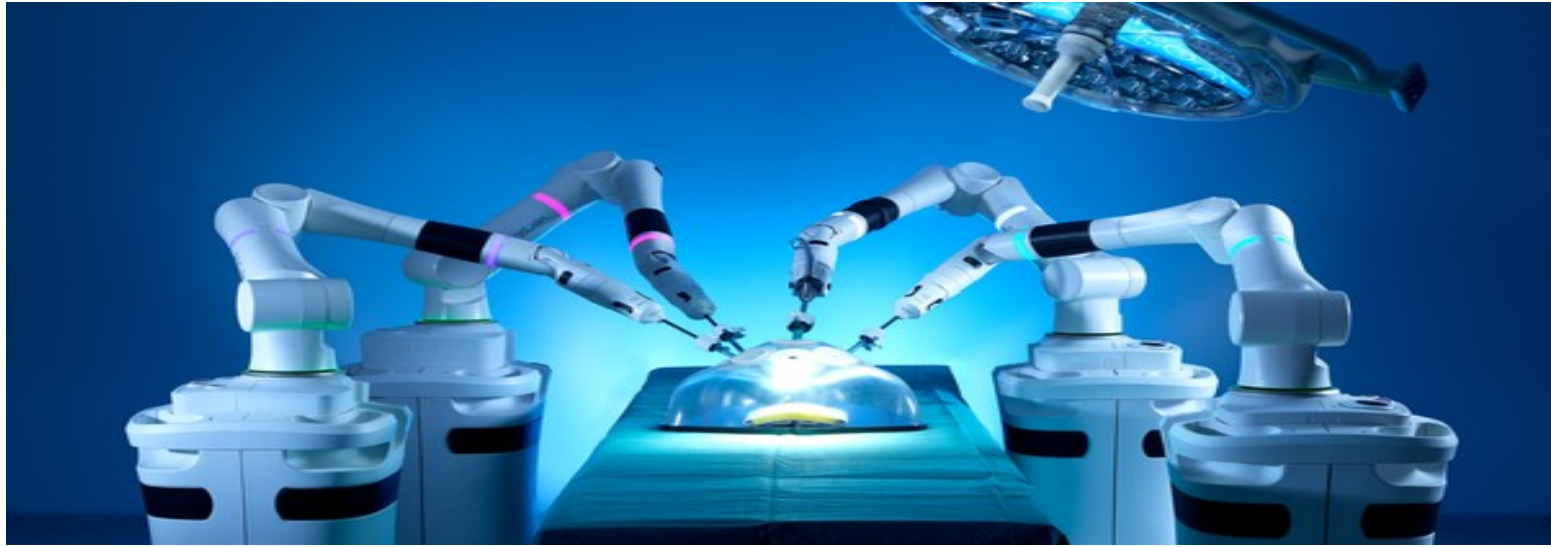

Code: ROBOTI
Option: Robotics
Level: Bachelor
Prerequisites: Scientific baccalaureate or equivalent
Opportunities:

ROBOTICS SPECIALIST (ROBOTICS ENGINEER)

If you opt for a position as a robotics specialist, you will be responsible for the design of machines and system components. You will be responsible for designing and calculating components, developing robotic applications and software solutions. Simulation and optimization of robots are also part of your area of responsibility, as is the development and support of test applications for robotics applications.

AUTOMATION TECHNICIAN

As an automation engineer, you will optimize the control and regulation concepts of systems. You develop solutions for automation and process control. You will also support product development with automated tests and be responsible for quality testing.

ROBOTICS PROJECT MANAGER

When you start a career as a project manager in robotics, you take responsibility for the smooth running of the projects you coordinate. You create schedules and are responsible for coordinating with customers, suppliers and partners.

Description

In the Bachelor of Science in Robotics program at UUT, you will learn the important basics of machine technology, electricity and control. And you will intensively cover the fields of computer science, data science and artificial intelligence. In addition, you will gain insight into the latest technological trends, such as programming with Python. You will learn what is important in the construction, mechanical design and use or integration of robotic systems. During your robotics studies, you can deepen your knowledge in selected areas. For example, in the field of industrial robotics and automation technology, service robotics or robot programming.

Quality and competences :

Turn your love of technology into engineering expertise to develop intelligent robots and highly complex industrial solutions. Because the future starts now! With a degree in robotics from Uut, you will make a significant contribution to solving tomorrow's everyday problems. And make life easier through the systematic use of artificial intelligence, Big Data analysis and the application of simulation software and hardware platforms. Uut's Bachelor of Robotics programme will make you a sought-after engineering professional with expertise in robotics. As a Bachelor of Engineering (B.Eng.), you can make a difference anywhere. Especially in companies that are involved in research, development, production, maintenance and sales of intelligent robotic systems and automation solutions.