

Robotics I (2026)

Understand the career pathway and career opportunities in the Robotics pathway. 1.00

1 Understand the career pathway and career opportunities in the Robotics pathway. 1.00

Apply durable employability skills. 2.00

2 Apply durable employability skills. 2.00

Understand how to apply safe practices and use the engineering design process to plan and improve robotic solutions. 3.00

3 Understand how to apply safe practices and use the engineering design process to plan and improve robotic solutions. 3.00

Apply principles of force, motion, and structure to build robots that move and perform tasks. 4.00

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Understand how to connect and use electrical components to power and control a robot. 5.00

5 Understand how to connect and use electrical components to power and control a robot. 5.00

Apply basic coding skills to program a robot's movement and actions. 6.00

6 Apply basic coding skills to program a robot's movement and actions. 6.00

Apply the use of simple sensors to help a robot detect and react to objects, light, or movement. 7.00

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