

ROBOTICS EXPLORATION - CERTIFICATE OF COMPLETION

Plan Code: 6052

This program provides hands-on experience covering basic electronics and electronic assembly. Electronic components are covered as well as soldering techniques and kit assembly. Students are introduced to schematic reading, basic circuit analysis as well. Students will also be introduced to the fundamentals of programming Omon Industrial Robots as well as piloting and learning the systems involved with underwater robotics.

Program Student Learning Outcomes

- Demonstrate the ability to program an industrial robot to pick up parts from one location and drop them off at a specified second location.

Program Requirements

| Code Number | Course Title | Hours |
|-------------------------|----------------------------|-----------|
| REQUIRED COURSES | | |
| ELECT 630A | Intro to Electronics | 27 |
| ELECT 630B | Introductory Robotics Camp | 27 |
| Total Hours | | 54 |