### ROBOTICS 1

**Building and Programming**

- ROBOTICS 1 will use the Minds-i STEM kit to build a 4x4 roadster then program it to become an autonomous vehicle.
- Arduino programming language is used to direct the servos, motors and sensors.
- Build & mount the Arduino breadboard unit atop the car.
- Minds-i sample Arduino sketch programs start the robot training process.
- Students will work in teams to build and program 4x4 robot.

### PYTHON

**ESSENTIALS**

- No prior knowledge of programming is required.
- Python is the very versatile, object-oriented programming language used by startups and tech giants alike.
- Upon the completion of this course, you will be prepared to take the PCAP - Certified Associate in Python programming.