

Computer Science: Computer Science

Develop algorithms as solutions to problems while discovering the importance of understanding problems in order to develop efficient step-by-step solutions. [CS1](#)

a the importance of understanding problems in order to develop efficient step-by-step solutions.

Explore the reasons for using computers to execute problem solutions [CS2](#)

2. Explore the reasons for using computers to execute problem solutions [CS2](#)

Translate algorithms to a language computers can understand. [CS3](#)

3. Translate algorithms to a language computers can understand. [CS3](#)

Explore: [CS4](#)

a. various major data manipulation used by computers

b processing structures used by computers

Explore and utilize structures as to design algorithms to solve problems. [CS5](#)

5. Explore and utilize structures as to design algorithms to solve problems. [CS5](#)

Apply computer architecture including using a Raspberry Pi platform to learn how computer hardware provides a powerful platform on which to run software. [CS6](#)

a using a Raspberry Pi platform to learn how computer hardware provides a powerful platform on which to run software.