

## Component 1

- Systems Architecture
  - CPU registers
  - CPU components
  - CPU performance
- Secondary storage
  - Storage technologies
  - Characteristics of secondary storage devices
- Memory and storage
  - RAM and ROM
  - Units
  - Binary numbers
  - Binary addition
  - Binary shifts
  - Hexadecimal
  - ASCII

## Component 2

- Boolean Logic/ Logic gates
- Binary Search
- Linear Search
- Producing algorithms
  - you need to understand all your programming basics in order to produce the algorithms
- Data types
- Translators and IDEs
- ID Lists (array)
- Writing python programs using:
  - If statements
  - Count controlled loops