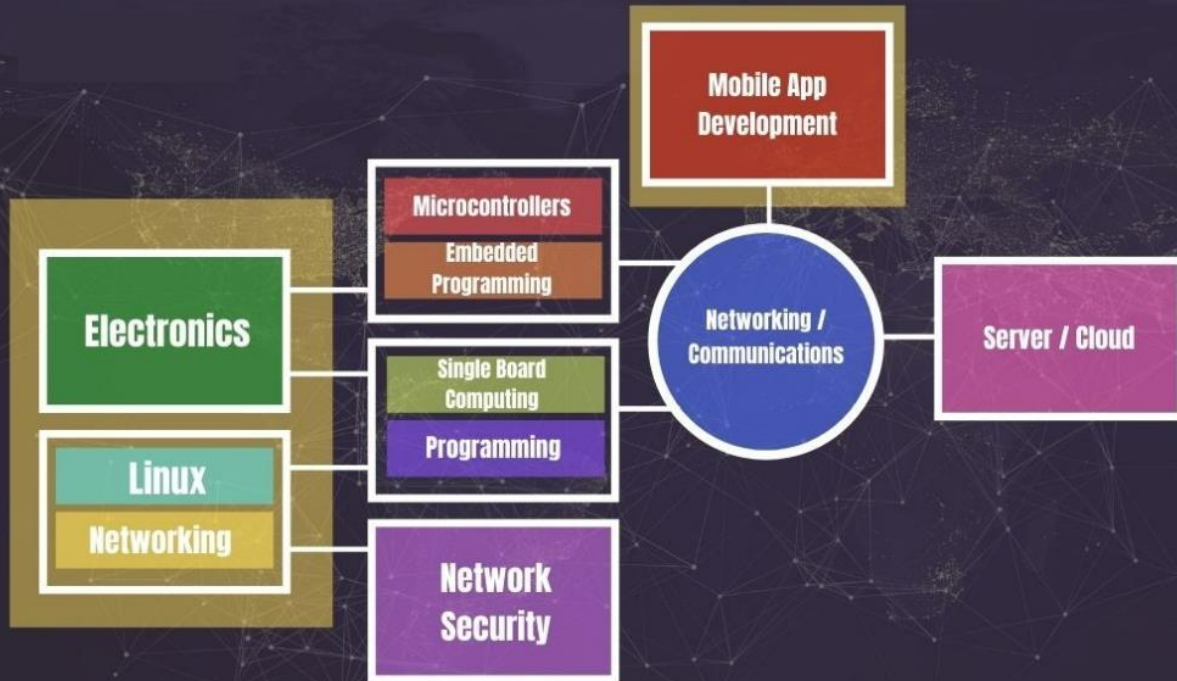


INTERNET OF THINGS



Electronics

- Sensors/Resistors/Capacitors
- Motors/Relays
- Voltage/Current/Resistance
- Power Sources

Linux

- Working In Terminal
- Configure Networks
- File Permissions & Ownership
- Text Manipulation

Networking

- Routers/Switches/Hubs
- Protocols
- Topologies
- Ports/Sockets/IP Addressing

Microcontrollers

- Arduino/ESP32/Adafruit
- PWM
- ROM Flashing
- Arduino Shields

Embedded Programming

- C/C++
- Lua
- IDE's
- Controlling Electronics

Single Board Computing

- Raspberry Pi/BeagleBone
- GPIO
- Embedded Operating Systems
- RPi Hats

Programming

- Python/Perl
- Local Web Servers & Databases
- GUI
- API's

Network Security

- Vulnerabilities
- Social Engineering
- Encryption
- Password Cracking

Networking/Comms

- Bluetooth/WiFi/Zigbee/Z-Wave
- Cellular/Satellite/LoRa
- TCP/IP/Ethernet
- Wide Area Networking

Server/Cloud

- PaaS/SaaS/IaaS
- AWS/Azure/GCP
- Analytics
- Web Frontend/Backend

Mobile App Development

- Android/iOS
- Ionic/Corona Frameworks
- Swift/Java
- ARM