

Cyber Security

Course Structure:

Duration: 30 hours

Cyber Security –Level 1	Cyber Security –Level 2 (Certified Ethical Hacker)
<ul style="list-style-type: none">• Introduction to Cyber Security and Protection<ul style="list-style-type: none">• Viruses• Worms• Trojans• Online Dangers• Whatsapp Hacking -prevention<ul style="list-style-type: none">• Ecommerce Sites Dangers• Instagram Hacking -prevention<ul style="list-style-type: none">• Other Hackings and dangers• Cyber Security Related Laws and Regulation<ul style="list-style-type: none">• Cyber Crime Act<ul style="list-style-type: none">• Dark Web• Cyber Terrorism• Cyber Stalking• Online Blackmails<ul style="list-style-type: none">• Facebook Hacks• Banking Frauds<ul style="list-style-type: none">• ATM hacks• Credit Cards Frauds and hacks<ul style="list-style-type: none">• Other Frauds and Hacks• Cyber Security Related Laws and Regulation<ul style="list-style-type: none">• Real World cases	<ul style="list-style-type: none">• Introduction to Ethical Hacking• Foot printing and Reconnaissance<ul style="list-style-type: none">• Scanning Networks<ul style="list-style-type: none">• Enumeration• Vulnerability Analysis<ul style="list-style-type: none">• System Hacking• Malware Threats<ul style="list-style-type: none">• Sniffing• Social Engineering<ul style="list-style-type: none">• Denial-of-Service• Session Hijacking• Evading IDS, Firewalls, and Honeypots<ul style="list-style-type: none">• Hacking Web Servers• Hacking Web Applications<ul style="list-style-type: none">• SQL Injection• Hacking Wireless Networks• Hacking Mobile Platforms<ul style="list-style-type: none">• IoT Hacking• Cloud Computing• Cryptography

Robotics

Course Structure:

Duration: 30 hours

Level 1 -Foundation

1. Introduction
 2. Components and Operations
 3. Sensing and Machine Vision
 4. Robot Programming
-

Artificial Intelligence and Machine Learning

Course Structure:

Duration: 30 hours

Module 1	Module 2
-----------------	-----------------

- | | |
|--|--|
| <ul style="list-style-type: none">• What is AI/ML, History and Early Days<ul style="list-style-type: none">• What is ML?• What is Deep Learning?• Day to day examples of AI/ML<ul style="list-style-type: none">• AI /ML in different fields<ul style="list-style-type: none">• ML –In Depth study• Traditional vs ML programming<ul style="list-style-type: none">• ML Applications<ul style="list-style-type: none">• Types of ML• Prerequisites to learn ML<ul style="list-style-type: none">• ML Softwares<ul style="list-style-type: none">• Business Analytics<ul style="list-style-type: none">• Types of Analytics<ul style="list-style-type: none">• Fuzzy Logic• Natural Language Processing<ul style="list-style-type: none">• Expert systems• Neural Networks• AI with Robotics• AI with Internet of Things• Artificial Neural Networks | <ul style="list-style-type: none">• Concept of Dataset• Predictive Dataset• Visualize Dataset• Concept of Libraries• Introduction to R Programming Language• Introduction to Python for ML• Introduction to Tensor Flow<ul style="list-style-type: none">• Introduction to Keras |
|--|--|

GMAT

GRE

SAT-1/2

TOEFL

IELTS

FOUNDATION IN SCIENCE

Program Description:

Our Foundation in Science course; has been specifically designed to provide the students with the required knowledge, which will enable them to opt for undergraduate science / engineering / medicine/ pharmacy degree courses. Students who successfully complete a foundation course are therefore able to progress into year one of their chosen degree subject providing they have taken the relevant pathway modules and passed them at the required standard. Lincoln's foundation year courses are bridging courses designed to provide students with the appropriate academic background for study at Bachelor degree level.

Program Duration: 1 Year

Modules

Year 1 Semester 1

- 1) Industrial-Organisational Psychology
- 2) Fundamental Computer Principle & Programming
- 3) English 1
- 4) Mathematics
- 5) Basic Biology

Year 1 Semester 2

- 6) Statistics
- 7) English 2
- 8) Life Sciences
- 9) Chemistry 1
- 10) Physics 1

Year 1 Semester 3

- 11) Community Service
- 12) Personality Development
- 13) Human Anatomy And Physiology
- 14) Chemistry 2
- 15) Physics 2