

Applied Learning (Senior Secondary Level)**2020-22 Cohort**

Item	Description
1. Subject Title	Computer Forensic Technology
2. Course Provider	School of Professional and Continuing Education, The University of Hong Kong
3. Area of Studies/ Course Cluster	Engineering and Production/Information Engineering
4. Medium of Instruction	Chinese or English
5. Learning Outcomes	<p>Upon completion of the subject, students should be able to:</p> <ol style="list-style-type: none"> (1) describe the need, principles, roles, and requirements of computer forensics; (2) describe individual stages of computer forensics process; (3) explain the roles and importance of digital evidence in computer incident response; (4) apply the procedures in collecting and preserving digital evidence by computer forensics technology; (5) describe the social and ethical issues in computer forensics; (6) demonstrate communication, collaboration and interpersonal skills in the field of computer forensics; and (7) develop self-understanding for further studies and career development in the related field.

6. Curriculum Map – Organisation and Structure

Module 1 - Introduction to Computer Forensics (30 hours)

- Needs and Principles of Computer Forensics
- Common Computer Components and Architectures
- Function and Importance of Digital Evidence
- Roles of Computer Forensics

Module 2 – Computer Forensics Tools and Applications (60 hours)

- Introduction to Digital Evidence
- Introduction to Data Acquisition
- Introduction to Computer Security
- Capturing Digital Data

Module 3 – Digital Evidence Handling (60 hours)

- Digital Evidence Management and Preservation
- Digital Evidence Presentation
- Simulated Computer Forensic Cases

Module 4 – Social and Ethical Issues in Computer Forensics (30 hours)

- Social Issues and Threats in Cyberspace
- Code of Ethics and Professional Responsibility
- Future Trends and Emerging Issues

7. The Context

- The information on possible study and career pathways is provided to enhance students' understanding of the wider context of the specific Applied Learning course. Students who have successfully completed Applied Learning courses have to meet other entry requirements as specified by the institutions.
- The recognition of Applied Learning courses for admission to further studies and career opportunities is at the discretion of relevant institutions. The Education Bureau and the course providers of Applied Learning are exploring and seeking recognition related to further education and career development opportunities for students successfully completing the Applied Learning courses.

