

ISYS90003 e-Security Technologies

Credit Points:	12.50
Level:	9 (Graduate/Postgraduate)
Dates & Locations:	2010, Hawthorn This subject commences in the following study period/s: Semester 1, Hawthorn - Taught on campus. Semester 2, Hawthorn - Taught on campus.
Time Commitment:	Contact Hours: 24 hours of face-to-face contact over an eight-week semester plus at least eight hours of pre-seminar reading Total Time Commitment: It is anticipated that students will need to allocate around 80 hours to undertake the assessable components of the subject to be completed in the three months encompassing the eight-week semester.
Prerequisites:	nil
Corequisites:	nil
Recommended Background Knowledge:	nil
Non Allowed Subjects:	nil
Core Participation Requirements:	For the purposes of considering requests for Reasonable Adjustments under the Disability Standards for Education (Cwth 2005), and Students Experiencing Academic Disadvantage Policy, academic requirements for this subject are articulated in the Subject Description, Subject Objectives, Generic Skills and Assessment Requirements of this entry. The University is dedicated to provide support to those with special requirements. Further details on the disability support scheme can be found at the Disability Liaison Unit website: http://www.services.unimelb.edu.au/disability/
Contact:	Melbourne Consulting and Custom Programs Level 3, 442 Auburn Rd Hawthorn VIC 3122 Phone: 9810 3148 Email: mccp.enquiries@mccp.unimelb.edu.au (mailto:mccp.enquiries@mccp.unimelb.edu.au)
Subject Overview:	This subject is designed to provide students with a grounding in the foundations of IT security technologies and their influence on forensic investigations. Topics covered in this unit: # Identification of sources of forensic data and the chain of evidence model; # Systems security, including back-up and data protection strategies; # Network security, including hacking tools and methods; # Vulnerability testing and other security audit processes; # Wireless technologies and their security challenges; # Firewalls and Virtual Private Networks and their audit capabilities; and # Intrusion Detection Systems and their logs.
Objectives:	This course is no longer taking new enrolments. The last intake into this program was Semester 2, 2009. Students who successfully complete this subject will have demonstrated an understanding of: # The application of common security technologies # Their strength and weaknesses, including the vulnerabilities that can be exploited to attack or bypass the security mechanisms used in these technologies. # Their use as a source of forensic data and the use and limitations of this data in a forensic investigation.
Assessment:	Two written assignments and a practical exam totalling 6000 words.
Prescribed Texts:	nil

Recommended Texts:	Please refer to MCCP website.
Breadth Options:	This subject is not available as a breadth subject.
Fees Information:	Subject EFTSL, Level, Discipline & Census Date, http://enrolment.unimelb.edu.au/fees
Generic Skills:	Please refer to MCCP website.
Links to further information:	http://www.mccp.unimelb.edu.au/courses/award-courses/masters/e-forensics-enterprise-security
Related Course(s):	Master of e-Forensics and Enterprise Security