

Master of Science in Electronic Commerce

Programme	Master of Science in Electronic Commerce 理學碩士(電子商貿)
Award Title	Master of Science in Electronic Commerce 理學碩士(電子商貿)
Offering Academic Unit	This Programme is jointly offered by: Department of Computer Science Department of Information Systems
Mode of Study	Combined mode

Normal Period of Study

- 1 year (full-time)
- 2 years (part-time/combined mode)

Maximum Period of Study

- 2.5 years (full-time)
- 5 years (part-time/combined mode)

Credit Units Required for Graduation

33

Programme Aims

The programme aims to equip students with the skills necessary to become IT professionals that are competent in evaluating and developing eCommerce systems and services within a business context. Students will gain knowledge and skills in core business and technical related subjects, together with an in-depth understanding of the specific managerial, regulatory, and technical issues involved in the exploitation of eCommerce. Students will also acquire the necessary knowledge and skill to analyze, plan, design, develop, and maintain eCommerce systems.

Programme Intended Learning Outcomes (PILOs)

Upon successful completion of this Programme, students should be able to:

1. evaluate and critique eCommerce opportunities and models;
2. use inquisitive approach to develop innovative applications and solutions for eCommerce systems;
3. apply software tools and components in support of eCommerce system development;
4. work effectively as member of a project team in eCommerce system development;
5. recognise the regulatory, security, and ethical issues of eCommerce.

Programme Requirements

1. Core Courses: (15 credit units)

Course Code	Course Title	Credit Units	Remarks
EC5001	Introduction to eCommerce	3	CENG/CB
CS5281	Internet Application Development	3	CENG
CS5285	Information Security for eCommerce	3	CENG
IS5314	E-Business and Digital Platforms	3	CB

IS5414	Analysis and Design of ecommerce Systems	3	CB
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2. Electives: (18 credit units)

Course Code	Course Title	Credit Units	Remarks
AC5511	Financial and Management Accounting	3	CB
AC5803	Financial Statement Analysis in Global Context	3	CB
CS5185	Multimedia Technologies and Applications	3	CENG
CS5187	Vision and Image	3	CENG
CS5188	Virtual Reality Technologies and Applications	3	CENG
CS5222	Computer Networks and Internets	3	CENG
CS5282	Practical Optimization Algorithms and Techniques	3	CENG
CS5286	Algorithms and Techniques for Web Searching	3	CENG
CS5288	Cryptography: Theory and Practice	3	CENG
CS5293	Topics on Information Security	3	CENG
CS5294	Information Security Technology Management	3	CENG
CS5296	Cloud Computing: Theory and Practice	3	CENG
CS5348	Software Quality Engineering	3	CENG
CS5481	Data Engineering	3	CENG
CS5483	Data Warehousing and Data Mining	3	CENG
CS5486	Intelligent Systems	3	CENG
CS5487	Machine Learning: Principles and Practice	3	CENG
CS5488	Big Data Algorithms and Techniques	3	CENG
CS5489	Machine Learning: Algorithms and Applications	3	CENG
CS5491	Artificial Intelligence	3	CENG
CS6175	Virtual Reality and Game-Engine Technologies	3	CENG
CS6187	Vision and Language	3	CENG
CS6288	Topics on eCommerce Technologies	3	CENG
CS6290	Privacy-enhancing Technologies	3	CENG
CS6382	Algorithm Analysis and Game Theory	3	CENG
CS6491	Topics in Optimization and its Applications in Computer Science	3	CENG
CS6493	Natural Language Processing	3	CENG
CS6534	Guided Study	3	CENG
EC6001	eCommerce Project	6	CENG/CB
EF5010	Economics for Business	3	CB
EF5042	Corporate Finance	3	CB
IS5540	Project Management and Quality Assurance	3	CB

IS5740	Management Support and Business Intelligence Systems	3	CB
IS5743	Information Technology Based Business Transformation	3	CB
IS6321	Business Intelligence Applications	3	CB
IS6400	Business Data Analytics	3	CB
IS6523	Information Systems Infrastructure and Security Management	3	CB
IS6640	Information Systems Planning and Strategy	3	CB
IS6921	Knowledge Management	3	CB
IS6940C	Information Technology Leadership Forum	3	CB
LW5643	Cyber Law	3	SLW
LW5962	Law Relating to Business and Companies	3	SLW
LW6113E	Law and Technology	3	SLW
ADSE6012	Technological Innovation and Entrepreneurship	3	CENG
MKT5644	Digital Marketing	3	CB
MS6721	Supply Chain Management	3	CB

Related Links

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