
FACULTY OF SCIENCE AND TECHNOLOGY
MASTER'S DEGREE PROGRAMMES

Master of Science

• **Data Science**

Compulsory Courses		Credits
CISC7201	Introduction to Data Science Programming	3
CISC7204	Data Science and Data Visualization	3
CISC7203	Database and Data Mining Technologies	3
CISC7202	Tools for Machine Learning	3
Total Credits:		12

Specialization A--Artificial Intelligence Applications:

Choose 4 required elective courses from the following:

Required Elective	Credits	
CISC7013	Principles of Artificial Intelligence	3
CISC7018	Computer Vision and Pattern Recognition	3
CISC7021	Applied Natural Language Processing	3
CISC7019	Web Mining	3
CISC7022	Big Data Processing and Analysis	3
Total Credits:		12

Compulsory Courses	Credits	
CISC7998	Project Report	6
Total Credits:		6
Grand Total:		30

Specialization B-- Big Data and Analytics in Marketing:

Compulsory Courses	Credits	
MKTG7010	Marketing Management	3
MKTG7030	Buyer Behavior	3
MKTG7033	Marketing Analytics	3
BAGC7011	Research Methods	3
BAGC7898	Project Report	6
Total Credits:		18
Grand Total:		30

Specialization C -- Data Strategy and Compliance:

Compulsory Courses		Credits
LAWS7701	Data Applications and Regulation in Digital Society	3
LAWS7702	Big Data Analytics and Compliance in E-business	3
LAWS7703	Data Strategy and Protection in Healthcare and E-governance	3
LAWS7704	Artificial Intelligence and Comparative Law	3
LAWS7798	Project Report	6
Total Credits:		18
Grand Total:		30

Specialization D -- Financial Technology:

Compulsory Courses		Credits
FINC7010	Corporate Finance	3
FINC7035	Financial Risk Management	3
FINC7054	Introduction to Financial Technology	3
FINC7026	Commercial Bank Management	3
BAGC7898	Project Report	6
Total Credits:		18
Grand Total:		30

Specialization E -- Intelligent Education:

Compulsory Courses		Credits
EDUC7041	Assessment and Evaluation of Educational Big Data	3
EDUC7042	Data-driven Approach to Educational Administration	3
EDUC7043	Learning Enhancement with Big Data	3
EDUC7044	Quantitative Social Science Research with Big Data	3
EDUC7098	Project Report	6
Total Credits:		18
Grand Total:		30

Specialization F -- Precision Medicine:

Compulsory Courses		Credits
HSCI7002	Biomedical Sciences	3
HSCI7003	Digital Biomedicine	3
HSCI7004	Healthcare Analytics	3
HSCI7001	Artificial Intelligence in Medicine	3
HSCI7998	Project Report	6
Total Credits:		18
Grand Total:		30

Specialization G -- Second Language Studies:

Compulsory Courses		Credits
AHGC7302	Second Language Acquisition	3
AHGC7303	Evaluation and Assessment of Language Use	3
AHGC7306	Research Methods in Applied Linguistics	3
OR	OR	
CHLL7101	Methods in Chinese Linguistics (Required Elective)	
AHGC7315	Language and Linguistics	3
AHGC7398	Project Report	6
Total Credits:		18
Grand Total:		30