

Computer Science Level 5 Modules (Semester 1)

Code	Module Name	Duration	Prerequisites	<u>Credits</u>
KV5031	Advanced Programming	Semester 1	Basic knowledge of Python	20
KV5033	Algorithms and Data Structures	Semester 1		20
KV5034	Business Information Systems	Semester 1	Some fundamental business knowledge	20
KV5041	Digital Forensics Incident Response	Semester 2		20
KV5042	Games Design	Semester 1		20
KV5056	Data Mining & AI Methods	Semester 1		20

Please note we cannot ensure module choices and that our modules are subject to change.

Computer Science Level 5 Modules (Semester 1)

Code	Module Name	Duration	Prerequisites	Credits
KV5043	Games Programming 1	Semester 1	Programming ability in any language (module is taught in C++)	20
KV5046	Human-Centered AI	Semester 1		20
KV5047	HCI	Semester 1		20
KV5045	Human Factors in Cyber Security	Semester 1	Good level of English	20
KV5052	Requirements Engineering	Semester 1		20

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Computer Science Level 5 Modules (Semester 2)

Code	Module Name	Duration	Prerequisites	Credits
KV5035	Software Architecture	Semester 2		20
KV5040	Data Visualization	Semester 2		20
KV5044	Games Programming 2	Semester 2	KV5043 Games Programming 1 is a prerequisite for this module	20
KV5048	IT Service Management	Semester 2		20
KV5049	Mobile and Web App Development	Semester 2		20
KV5054	Virtual and Augmented Reality	Semester 2		20

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Computer Science Level 6 Modules

Code	Module Name	Duration	Prerequisites	Credits
KV6011	Business Intelligence	Semester 1		20
KV6015	Data Analytics	Semester 1	Basic coding and mathematics knowledge	20
KV6009	Advanced Security	Semester 2	Basic knowledge of networking, and basic OS knowledge	20
KV6016	Data Security and Governance	Semester 2	Good level of English	20

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Computer Science Level 7 Modules

Code	Module Name	Duration	Prerequisites	Credits
KF7006	Object Oriented Programming	Semester 1		20
KF7013	Website Development and Deployment	Semester 1		20
KF7032	Big Data and Cloud Computing	Semester 1		20
KL7011	Advanced Databases	Semester 1		20

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Computer Science Level 7 Modules

Code	Module Name	Duration	Prerequisites	Credits
KC7013	Database Modelling	Semester 2		20
KF7011	Systems Analysis and Design with UML	Semester 2		20
KL7012	Statistical Programming	Semester 2		20
KF7014	Advanced Programming	Semester 1 or 2	Prior experience of programming is required	20
KL7010	Principles of Data Science	Semester 1 or 2		20

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