

BSc (Hons) In Computer Science - Module List with Module Leaders Academic Year 2024/25

Module Proformas are attached under each module name

Credit Level 4								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites	Semester	Module Leader	Email
4COSC001W	4COSC006C	Software Development I	Core	20	N/A	1	Guhanathan Poravi	guhanathan.p@iit.ac.lk
4COSC002W	4COSC007C	Mathematics for Computing	Core	20	N/A	1	Dr. Randil Pushpananda	randil.p@iit.ac.lk
4COSC004W	4COSC009C	Computer Systems Fundamentals	Core	20	N/A	1	Rathesan Sivagnanalingam	rathesan.s@iit.ac.lk
4COSC003W	4COSC008C	Trends in Computer Science	Core	20	N/A	2	Sulochana Rupasinghe	sulochana.r@iit.ac.lk
4COSC005W	4COSC010C	Software Development II	Core	20	N/A	2	Pumudu Fernando	pumudu.f@iit.ac.lk
4COSC011W	4COSC011C	Web Design and Development	Core	20	N/A	2	Janani Harischandra	janani.h@iit.ac.lk
Award of Certificate of Higher Education available								

Credit Level 5								
Core Modules								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites		Module Leader	Email
5COSC019W	5COSC019C	Object Oriented Programming	Core	20	N/A	1	Guhanathan Poravi	guhanathan.p@iit.ac.lk
5COSC020W	5COSC020C	Database Systems	Core	20	N/A	1	Ragu Sivaraman	ragu.s@iit.ac.lk
5COSC022W	5COSC022C	Client-Server Architectures	Core	20	N/A	2	Cassim Farook	cassim.f@iit.ac.lk
5COSC021W	5COSC021C	Software Development Group Project (work based module)	Core	20	N/A	Y	Banu Athurulya	banu.a@iit.ac.lk

ANY TWO Optional modules from following list
Please note: Not all option modules will necessarily be offered in any one year.

Credit Level 5 – Options - Mobile and Web Computing Theme								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites		Module Leader	Email
5COSC015W	5COSC026C	Advanced Client-side Development	Option	20	N/A	1	Theja Perera	theja.p@iit.ac.lk
5COSC023W	5COSC023C	Mobile Application Development	Option	20	N/A	2	Torin Wirasinghe	torin.w@iit.ac.lk
5COSC024W	5COSC024C	Server-side Web Development	Option	20	N/A	2	Theja Perera	theja.p@iit.ac.lk

Credit Level 5 – Options –Usability and Interaction Theme								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites		Module Leader	Email
5COSC025W	5COSC025C	HCI & User Experience	Option	20	N/A	1	Theja Perera	theja.p@iit.ac.lk
5MMCS007W	5MMCS007C	3D Interactive Media Development	Option	20	N/A	1	Pumudu Fernando	pumudu.f@iit.ac.lk
5CCGD013W	5CCGD013C	XR & Multimodal Interaction	Option	20	N/A	2	Prof. Prasad Wimalaratne	prasad.w@iit.ac.lk

Credit Level 5 – Options –BIS Theme								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites		Module Leader	Email
5BUIS020W	5BUIS020C	Information Technology Security	Option	20	N/A	1	Buddhika Premaratne	buddhika.p@iit.ac.lk

Credit Level 5 – Options –Data Science Theme								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites		Module Leader	Email
5ENG003W	5SENG003C	Algorithms: Theory, design and implementation	Option	20	N/A	2	Ragu Sivaram	ragu.s@iit.ac.lk
5DATA002W	5DATA001C	Machine Learning and Data mining	Option	20	N/A	2	Nipuna Senanayake	nipuna.s@iit.ac.lk

Credit Level 5 – Options – Games and Computer Graphics Development Theme								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites		Module Leader	Email
5CCGD011W	5CCGD011C	Game Engine Architecture	Option	20	N/A	1	Iresh Bandara	iresb.b@iit.ac.lk
5CCGD010W	5CCGD010C	Maths and Physics for Games	Option	20	N/A	2	Sapna Kumarapathirana	sapna.k@iit.ac.lk
5CCGD013W	5CCGD013C	XR, Multimodal Interaction	Option	20	N/A	2	Prof. Prasad Wimalaratne	prasad.w@iit.ac.lk

Credit Level 5 – Options –Computer Engineering Theme								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites		Module Leader	Email
5ELEN018W	5ELEN018C	Robotic Principles	Option	20	N/A	1	Dr. Sahan Priyanayana	sahan.p@iit.ac.lk
5ELEN018W	5ELEN018C	Sensors & Signals	Option	20	N/A	1	Hasini Kasthuriarachchi	hasini.k@iit.ac.lk

Award of Diploma of Higher Education available

	6COSC018C	*Computer Science Placement	Core	120		Y	Theja Perera	theja.p@iit.ac.lk
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Credit Level 6								
Core Modules								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites	Semester	Module Leader	Email
6COSC006W	6COSC023C	Final Year Project	Core	40	N/A	Y	Guhanathan Poravi	guhanathan.p@iit.ac.lk
6COSC020W	6COSC020C	Applied AI	Core	20	N/A	1	Prof. Nihal Kodikara	niha.k@iit.ac.lk
6COSC002W	6COSC019C	Cyber Security	Core	20	N/A	2	Saman Hettiarachchi	saman.h@iit.ac.lk

ANY TWO Optional modules from following list
Please note: Not all optional modules will necessarily be offered in a given Academic year

Credit Level 6 – Options - Mobile and Web Computing Theme								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites	Semester	Module Leader	Email
6COSC004W	6COSC021C	Mobile Native Application Development	Option	20	N/A	1	Guhanathan Poravi	guhanathan.p@iit.ac.lk
6COSC005W	6COSC022C	Advanced Server-side web Programming	Option	20	L5 Server Side Web	2	Ruwan Egodawatta	ruwan.e@iit.ac.lk

Credit Level 6 – Options –Usability and Interaction Theme								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites		Module Leader	Email
6MMCS001W	6MMCS009C	Usability Testing and Evaluation	Option	20	N/A	1	Iresh Bandara	iresb.b@iit.ac.lk
6MMCS004W	6MMCS008C	Advanced Interactive Media Development	Option	20	N/A	2	Manul Singh	manul.s@iit.ac.lk
6MMCS002W	6MARK027C	Digital marketing, Social Media and Web Analytics	Option	20	N/A	2	Prasanna Pathmanathan	prassi86@hotmail.com

Credit Level 6 – Options –BIS Theme								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites		Module Leader	Email
	6BUIS019C	Strategic Management of Information Systems	Option	20	N/A	1	Kumudini Sarachchandra	kumudini.s@iit.ac.lk
6BUIS002W	6BUIS018C	Information Driven Entrepreneurship and Enterprise	Option	20	N/A	2	Austen Mascraghe / Janice	austen@iit.ac.lk

Credit Level 6 – Options – Data Science Theme								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites		Module Leader	Email
6DATA005W	6DATA005C	Operational Research and Optimisation	Option	20	N/A	2	Shadiya Hussain	fathima.h@iit.ac.lk
Credit Level 6 – Options – Games and Computer Graphics Development Theme								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites		Module Leader	Email
6CCGD002W	6CCGD007C	Game AI	Option	20	N/A	1	Prof. Prasad Wimalaratne	prasad.w@iit.ac.lk
6MMCS004W	6MMCS006C	Advanced Interactive Media Development	Option	20	N/A	2	Manul Singh	manul.s@iit.ac.lk

Credit Level 6 – Options –Computer Engineering Theme								
Module code UoW	Module code IIT	Module title	Status	UK credit	Pre Requisites		Module Leader	Email
New	6ELEN018C	Applied Robotics	Option	20	L5 Robotic Principles	1	Dr. Sahan Priyanayana	sahan.p@iit.ac.lk
New		Internet Of Things	Option	20	N/A	2	Dr. Sahan Priyanayana	sahan.p@iit.ac.lk