Course Structure

Bachelor of Computer Science

Faculty of Engineering, Science and Technology

Semester 1

Type	Code	Name	Prerequisites	Credit Points	Fee (MVR)
CORE	CPT111	Introduction to Programming	Nil	15	1,725
CORE	DHI113	Dhivehi for Professionals	Nil	15	1,350
CORE	MAT129	Pure Mathematics	Nil	15	1,725
CORE	PHY101	Physics: Mechanics, waves and electrodynamics	Nil	15	1,725
Semester Total				**60**	**6,525**

Semester 2

Type	Code	Name	Prerequisites	Credit Points	Fee (MVR)
CORE	CPT149	Introduction to Networking	Nil	15	1,725
CORE	CPT205	Object Oriented Programming	CPT111	15	1,725
CORE	MAT103	Discrete Mathematics	Nil	15	1,725
CORE	PHY205	Digital Circuits	Nil	15	1,725
Semester Total				**60**	**6,900**

Semester 3

Type	Code	Name	Prerequisites	Credit Points	Fee (MVR)
CORE	CPT203	Data Structures and Algorithms	MAT103, CPT205	15	1,725
CORE	CPT211	Database Systems	Nil	15	1,725
CORE	CPT239	Operating Systems	CPT111	15	1,725
CORE	PHY215	Electronics for Robotics	PHY205	15	1,725
Semester Total				**60**	**6,900**

Semester 4

Type	Code	Name	Prerequisites	Credit Points	Fee (MVR)
CORE	CPT229	Advanced Networking	CPT149	15	1,725
CORE	CPT241	Advanced Data Structures & Algorithm Analysis	CPT203	15	1,725
CORE	CPT243	Computer Organization & Architecture	CPT111	15	1,725
CORE	CPT245	Software Engineering	CPT111	15	1,725
Semester Total				**60**	**6,900**

Semester 5

Type	Code	Name	Prerequisites	Credit Points	Fee (MVR)
CORE	CPT313	Advanced Database Management System	CPT147	15	1,725
CORE	CPT315	Web Technologies	CPT111	15	1,725
CORE	CPT317	Artificial Intelligence	CPT241, CPT205, CPT111	15	1,725
CORE	CPT337	Applied CS Project	Completion of 180 credits		0
Semester Total				**225**	**5,175**

Semester 6

Type	Code	Name	Prerequisites	Credit Points	Fee (MVR)
CORE	CPT333	Cryptography & Networking Security	MAT129, CPT205	15	1,725
CORE	CPT337	Applied CS Project (continue)	Nil	30	3,450
CORE	CPT303	Multimedia Technology and Applications	Nil	15	1,725
ELECTIVE		Electives	Nil	15	1,725
Semester Total				**75**	**8,625**

Elective

Type	Code	Name	Prerequisites	Credit Points	Fee (MVR)
ELECTIVE	CPT327	Human Computer Interaction	Nil	15	1,725
ELECTIVE	CPT339	Logical and Physical Database design	CPT211	15	1,725
Course Total				**360**	**41,025**

Fees stated above are tuition fees for local students. Fees for international students is twice the stated fees. All fees are quoted in MVR.

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