

Template
for
B.Tech in Intelligent Systems

ESC - Essentials for Scientific Computing

ESO - Engineering Science Options

Bachelor of Technology in IS (BT-IS)

Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8
SCHEME ELC10X (9)	ETH111 (3)	SCHEME HSS-1 (11)	SCHEME EME (9-11)	SCHEME HSS-2 (9)	SCHEME HSS-2 (9)	SCHEME HSS-2 (9)	DE-5 (9)
MTH111M MTH112M (6+6)	MTH113M MTH114M (6+6)	ESC201 (14)	ESO207 (12)	ESO-1 (9-11)	DE-1 (9)	DE-3 (9)	DE-6 (9)
PHY111 PHY114 (3+11)	PHY112 (11)	IS201 (10)	CS771 / IS205 (12)	IS301 (3)	DE-2 / UGP-1 (9)	DE-4 / UGP-2 (9)	DE-7 / UGP-3 (9)
CHM112M + CHM113M (4+4)	CHM111 (3)	EE200 / IS202 (11)	EE250 / IS204 (11)	EE320 / IS304 (11)	OE-1 (9)	OE-3 (9)	OE-5 (9)
	ESC111M ESC112M (7+7)	ESOXXX + ESOXXX (7+7)	IS203 (12)	IS302 (12)	OE-2 (9)	OE-4 (9)	OE-6 (9)
TA111 (9)	LIF111 (6)			ME381/ IS305 (7)			
PE111 (3)	PE112 (3)						
55	52	60	56-58	51-53	45	45	45

Credit Table for BT Program in Intelligent Systems		
Course Type	Recommended Credit Range	Minimum Credits Required for Graduation
Institute Core	112	112
ESO	18-45	35-37
Department Requirements	144-179	152 (89 DC + 63 DE)
Open Electives	51-57	54
SCHEME	54-58	54-58
Total	391-420	406-412

BT in IS with Management (BTM-IS)

Sem 1-5	Sem 6	Sem 7	Sem 8
Identical to BT-IS program	SCHEME HSS-2 (9)	SCHEME HSS-2 (9)	OE-2 (9)
	DE-1 (9)	OE-1 (9)	OE-3 (9)
	DE-2 / UGP-1 (9)	DE-3 / UGP-2 (9)	DE-4 / UGP-3
	MTB-1 (9)	MTB-3 (9)	MTB-5 (9)
	MTB-2 (9)	MTB-4 (9)	MTB-6 (9)
271	45	45	45

Remarks

- The BTM-IS template replaces 27 DE + 27 OE credits with 54 MTB (*management track basket*) credits
- A list of courses that will be notified as being eligible for MTB credits will be communicated at the time of application for the BTM program.
- BTM-IS students can take up to 4 UGPs, but only at most 3 UGPs (27 credits) can be counted towards graduation requirements. All UGPs are optional.
- Up to 36 OE credits may be waived from the minimum requirements for students opting for either the Dual Degree or Double Major programs.

BT in IS with Honors (BTH-IS)

Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8
SCHEME ELC10X (9)	ETH111 (3)	SCHEME HSS-1 (9-11)	SCHEME EME (9-11)	SCHEME HSS-2 (9)	SCHEME HSS-2 (9)	SCHEME HSS-2 (9)	DE-3 (9)
MTH111M MTH112M (6+6)	MTH113M MTH114M (6+6)	ESC201 (14)	ESO207 (12)	ESO-1 (9-11)	DE-1 (9)	DE-2 (9)	DE-4 (9)
PHY111 PHY114 (3+11)	PHY112 (11)	IS201 (10)	CS771 / IS205 (12)	IS301 (3)	UGP-1 (9)	UGP-2 (9)	DE-5 / UGP-3 (9)
CHM112M + CHM113M (4+4)	CHM111 (3)	EE200 / IS202 (11)	EE250 / IS204 (11)	EE320 / IS304 (11)	OE-1 (9)	OE-3 (9)	OE-5 (9)
	ESC111M ESC112M (7+7)	ESOXXX + ESOXXX (7+7)	IS203 (12)	IS302 (12)	OE-2 (9)	OE-4 (9)	OE-6 (9)
TA111 (9)	LIF111 (6)			ME381/ IS305 (7)	PG DE-1 (9)	PG DE-2 (9)	PG DE-3 (9)
PE111 (3)	PE112 (3)						
55	52	58-60	56-58	51-53	54	54	54

Remarks

- In the BTH-IS template, 27 additional PG DE credits must be done. 2 UGPs are mandatory for the BTH program
- PG DE credits must be obtained from courses having a number of the form IS LXX where L = 6/7
- A student must have a graduation CPI of at least 8.5 to be eligible for B.Tech. Honours.