

Name of Program: Bachelor in Cybersecurity (BCY)

Courses	Semesters							
	1 st	2 nd	3 rd	4 th	5 th	6 th	7 th	8 th
	ESC201 [14]	WS200 [9]*	IS203 [12]*	PSY151 [11]	Internship WS398 [6×9=54]	Internship WS399 [6×9=54]	Internship WS498 [6×9=54]	Internship WS499 [6×9=54]
	ETH111 [3]	ESO207 [12]	CS330 [13]*	CS425 [9]*				
	ESC111M [7]	CS220 [12]*	WS201 [8]*	WS203 [8]*				
	ESC112M [7]	WS102 [8]*	WS202 [8]*	OE-3 Basket [9]				
	ESO217 [12]	OE-1 Basket [9]	OE-2 Basket [9]	OE-4 Basket [9]				
	WS101 [8]*							
Total Credits	51	50	50	46	54	54	54	54

* To be considered as Department Compulsory courses

Remark, if any:

- OE-Basket list is provided below.
- Students having more than 2 course backlogs will not be permitted to go for internship.
- Any UGP (except WS-496), CEA, NPTEL/MOOC courses done by students will not be part of their graduation requirements.

Credits Summary:

Course Type	Credits Required
Institute Core (IC)	31
ESO/SO	24
Department Requirements (DC+DE+ Internship)	DC-95 + Internship-216
Open Electives (OE)	36
SCHEME	11
Total credits	413

OE-Basket List:

- CS-335 (13): Compiler Design
- CS-315 (9): Principles of Database Systems
- CS-350 (9): Principles of Programming Languages
- CS-360 (9): Introduction to Computer Graphics
- CS-771 (9): Introduction to ML
- CS-422 (9): Computer Architecture
- CS-433 (9): Parallel Programming
- CS-423 (9): Multi-core and Multi-processor Architecture
- CS-675 (9): Cryptography for Cybersecurity
- CS-666 (9): Hardware Security for Internet of Things

- CS-731(9): Blockchain Technology and Applications
- CS-614 (9): Linux Kernel Programming
- CS-628 (9): Computer Systems Security
- CS-631 (9): Cybersecurity of Critical Infrastructure
- CS-674 (9): Post-quantum Security
- CS-665 (9): Secure Memory Systems
- CS-634 (9): Mobile Computing
- CS-657 (9): Information Retrieval
- WS496(9): UGP-1

Note: More courses will be added later.

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