Maulana Abul Kalam Azad University of Technology, WB
(Formerly known as West Bengal University of Technology)
Proposed Syllabus for BCA
Effective from academic session 2023-24

Model curriculum structure for 4 year UG programs for BCA

Sem	Major (Offline)	Minor (Blended Mode) (Management)	Inter Disciplinary (Offline)	Ability Enhancement (Offline)	Skill Enhancement (Online /Sessional)	Common Value added Course (SESSIONAL)	Total credits
I	(2 sub x 5 credits) Prog. for Problem Solving (3L + 2 P) Digital Elctronics (3 L + 2 P)	(1 sub x 3 credits) Principles Of Management	Any one from GE baskets Basket A or D (3 credits)	English & Professional Communication (2 credits)	Life Skills & Personality Development (2 credits)	Yoga/ Health & Wellness/ Sports / Physical Fitness and Wellness/Community Services (2 credits)	22
II	(2 sub x 5 credits) Computer Architecture (3l + 2p) Basics of Web Design Using Html, Css, Javascript (3l + 2p)	(1 sub x 3 credits) Organization Behaviour/Business Ethics & Corporate Governance	Any one from GE baskets Basket B or E (3 credits)	Modern Indian Languages and Literature (2 credits)	IT Tools for Business / Monetizing Social Media or Design Thinking (2 credits)	Critical Thinking / NSS/ Mental Health/ Environmental Studies (2 credits)	22
III	(2 sub x 5 credits) Python Programming (3l +2p) Data Structure Through C (3l+2p)	(1 sub x 4 credits) Principles of Marketing/Business & Sustainability	Any one from GE baskets Basket C or F (3 credits)	The Constitution, Human Rights and Law (2 credits)	Understanding basics of Cyber Security (2 credits)		21

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IV	(2 sub x 4 credits) (1 sub x 5 credits) DBMS (3L + 2P) Operating System (3l + 1t) Software Engg (3l + 1 T)	Human resource management /Corporate Social Responsibility (CSR) (4 credits) Sales and distribution management /E-Commerce (4 credits)		Society Culture and Human Behavior / Universal Human Values (UHV) (2 credits)			23
V	(2 sub x 5 credits) Php with Mysql Oops With Java (3l + 2p)	Financial management (4 credits) Entrepreneurship (4 credits)			Internship to be started after exam of 4th sem (sem break) and completed within 5th sem (weekends) (4 credits)		22
VI	(2 sub x 5 credits) (1 sub x 4 credits) Advance Java With Web Application (3l + 2p) Unix And Shell Prog (3l + 2p) Networking (3l + 1t)	Customer relationship management (4 credits) Career planning and management/Managing Workplace Diversity (4 credits)					22

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VII	2 sub x 5 credits 1 sub x 4 credits Data Mining & Data Warehousing (3l +2p) / Machine Learning (3l+2p)/ Parttern Recognition (3l + 2p) Cyber Security (3l + 1 T) Research Methjodology (3l + 2p)	Consumer behaviour (4 credits)/ Exploring Business Opportunity Strategic management/ Intellectual Property Rights (4 credits)					22
VIII	2 sub x 5 credits Block Chain Technology (3l + 2p) / Cloud Computing (3l + 2p) Statistical Programming With R Programming (3l + 2p) /				Research project 12 credits		22

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	Data Analysis With Python (3l +2p)						
	19 sub - 91 credits	**11 sub – 42 credits**	**3 sub – 09 credits**	**4 sub – 08 credits**	**3 sub & Int & Proj - 22 credits**	**2 sub – 4 credits**	**176**

Note:

Normally all 5 credit courses will be either theory (3) + practical (2) [100+100 marks] or theory (4) + tutorial (1) [100 marks]

Normally all 4 credit courses will be either theory (3) + tutorial (1) or theory (4) [100 marks]

Normally all 3 credit courses will be theory (3) – Inter disciplinary (5 to 6 baskets) [100 marks]

Normally all 2 credit courses AEC/SEC/CVA would be theory or online course

4th year subjects could be foundation of Master's program (as masters would be of 1 year after 4 years UG)

7/8th semester Major subjects could include Projects in core, if required

100/200/300/400 level should be maintained as per UGC document

For online course (Skill Enhancement Course) 2 credits=30 hours.