

**Maulana Abul Kalam Azad University of Technology, WB**  
(Formerly known as West Bengal University of Technology)

**Syllabus of BCA**

**Effective from academic session 2023-24**

**THIRD SEMESTER**

Sl No.	Subject Type	Subject Code	Subject Name	Credit Point	Credit Distribution		
					L	P	T
1	<b>DSC</b>	BCAC301	Python Programming	3	3		
2		BCAC391	Python Programming Lab	2		2	
3		BCAC302	Data Structure through C	3	3		
4		BCAC392	Data Structure Lab	2		2	
5	<b>DSE</b>		Any one from Minor in Management Basket	4	3		1
6	<b>GE</b>		Any one from GE baskets C or F	3	3		
7	<b>AECC</b>	AECC 301	The Constitution, Human Rights and Law	2	2		
8	<b>SEC</b>	SEC 381	Understanding basics of Cyber Security	2		2	
<b>Total Credit</b>					<b>21</b>		

**FOURTH SEMESTER**

Sl No.	Subject Type	Subject Code	Subject Name	Credit Point	Credit Distribution		
					L	P	T
1	<b>DSC</b>	BCAC401	Data Base Management System	3	3		
2		BCAC491	DBMS Lab	2		2	
3		BCAC402	Operating System	4	3		1
4		BCAC403	Software Engineering	4	3		1
5	<b>DSE</b>		Any one from Minor in Management Basket	4	3		1
6			Any one from Minor in Management Basket	4	3		1
7	<b>AECC</b>	AECC 401	Society Culture and Human Behavior	2	2		
<b>Total Credit</b>					<b>23</b>		

**FIFTH SEMESTER**

Sl No.	Subject Type	Subject Code	Subject Name	Credit Point	Credit Distribution		
					L	P	T
1	<b>DSC</b>	BCAC501	PHP WITH MYSQL	3	3		
2		BCAC591	PHP WITH MYSQL LAB	2		2	
3		BCAC502	Object Oriented Programming with Java	3	3		
4		BCAC592	Object Oriented Programming with Java Lab	2		2	
5	<b>DSE</b>		Any one from Minor in Management Basket	4	3		1
6			Any one from Minor in Management Basket	4	3		1
7	<b>SEC</b>	SEC581	Internship	4		4	
<b>Total Credit</b>					<b>22</b>		