

**CBCS SYLLABUS**  
**FOR**  
**THREE YEARS UNDER-GRADUATE COURSE**  
**IN**  
**ELECTRONICS (PROGRAMME)**  
*(w.e.f. 2017)*



---

**BANKURA UNIVERSITY**  
**BANKURA**  
**WEST BENGAL**  
**PIN 722155**

**STRUCTURE IN ELECTRONICS (PROGRAMME)**

**SEMESTER – I**

Course Code	Course Title	Credit	Marks			No. of Hours/Week		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/ELC/101/C-1A	Electronic Circuits and PCB Designing	6	10	40	50			
SP/102/ C-2A	Discipline-2	6	10	40	50			
SP/103/ C-3A	Discipline-3	6	10	40	50			
ACSHP/ 104/ AECC-1	Environmental Studies	4	10	40	50			
<b>Total in Semester - I</b>		<b>22</b>	<b>40</b>	<b>160</b>	<b>200</b>			

**SEMESTER –II**

Course Code	Course Title	Credit	Marks			No. of Hours/Week		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/ELC/201/C-1B	Digital System Design	6	10	40	50			
SP/202/ C-2B	Discipline - 2	6	10	40	50			
SP/ 203/C- 3B	Discipline - 3	6	10	40	50			
ACSHP/204/ AECC-2	English/MIL	2	10	40	50			
<b>Total in Semester - II</b>		<b>20</b>	<b>40</b>	<b>160</b>	<b>200</b>			

**SEMESTER – III**

Course Code	Course Title	Credit	Marks	No. of Hours/Week
-------------	--------------	--------	-------	-------------------



			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/ELC/ 301/C-1C	<b>Communication Systems</b>	6	10	40	50			
SP/302/C-2C	Discipline - 2	6	10	40	50			
SP/ 303/ C-3C	Discipline - 3	6	10	40	50			
SP/ELC/304/ SEC-1	<b>Renewable Energy and Energy harvesting</b>	2	10	40	50			
<b>Total in Semester - III</b>		<b>20</b>	<b>40</b>	<b>160</b>	<b>200</b>			

### SEMESTER – IV

Course Code	Course Title	Credit	Marks			No. of Hours/Week		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/ELC/401/C-1D	<b>Instrumentation</b>	6	10	40	50			
SP/ 402/ C-2D	Discipline-2	6	10	40	50			
SP/ 403/ C-3D	Discipline-3	6	10	40	50			
SP/ELC/404/ SEC-2	<b>Weather Forecasting</b>	2	10	40	50			
<b>Total in Semester - IV</b>		<b>20</b>	<b>40</b>	<b>160</b>	<b>200</b>			

### SEMESTER – V

Course Code	Course Title	Credit	Marks	No. of Hours/Week
-------------	--------------	--------	-------	-------------------



			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/ELC/501/DS E-1A	Any one of the following	6	10	40	50			
	<b>a) Electronic Instrumentation</b>							
	<b>b) Photonic Devices and Power Electronics</b>							
SP/ 502/DSE- 2A	Discipline - 2	6	10	40	50			
SP/ 503/DSE- 3A	Discipline - 3	6	10	40	50			
SP/ELC/504/SE C-3	<b>Computational Physics Skills</b>	2	10	40	50			
<b>Total in Semester – V</b>		<b>20</b>	<b>40</b>	<b>160</b>	<b>200</b>			

## SEMESTER – VI

Course Code	Course Title	Credit	Marks			No. of Hours/Week		
			I.A.	ESE	Total	Lec.	Tu.	Pr.
SP/ELC/ 601/DSE-1B	Any one of the following	6	10	40	50			
	<b>a) Electronic Instrumentation</b>							
	<b>b) Photonic Devices and Power Electronics</b>							
SP/ 602/DSE- 2B	Discipline - 2	6	10	40	50			
SP/ 603/DSE- 3B	Discipline - 3	6	10	40	50			
SP/ELC/ 604/SEC-4	<b>Electrical circuits and network Skills</b>	2	10	40	50			
<b>Total in Semester – VI</b>		<b>20</b>	<b>40</b>	<b>160</b>	<b>200</b>			

SP= Science programme/Pass, ELC= Electronics, ACSHP= Arts Commerce Science Honours Pass, C= Core Course, MIL= Modern Indian Language, AECC-1= Ability Enhancement Compulsory Course, SEC= Skill Enhancement Course, DSE= Discipline Specific Elective IA= Internal Assessment, ESE= End-Semester Examination, Lec.= Lecture, Tu.= Tutorial, and Pr.=Practical