



## Curriculum Structure

of

# **B. TECH IN COMPUTER SCIENCE & ENGINEERING (SPECIALIZATION IN CYBER SECURITY)**

From the Academic Year 2017 - 2018 onwards

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**RAKSHA SHAKTI UNIVERSITY**

*(First Internal Security & Police University of India)*

GUJARAT, INDIA



**Semester-I**

Sr. No	Code	Name of Subject	L	P	T	Credit
1	BCS101	Engineering Maths	3	0	2	4
2	BCS102	Fundamentals of Electronics	3	2	0	4
3	BCS103	Communication Skills	3	0	2	4
4	BCS104	Introduction to Computer Programming	3	4	0	5
5	BCS105	Introduction to Computer Fundamentals & Cyber World	3	0	0	3
6	BCS106	Ethics & Values	0	0	2	1
		<b>Total</b>				<b>21</b>

**Semester-II**

Sr. No	Code	Name of Subject	L	P	T	Total
1	BCS201	Discrete Mathematics	3	0	2	4
2	BCS202	Digital Systems	3	2	0	4
3	BCS203	Digital Communications	3	2	0	4
4	BCS204	Object oriented programming with C++	3	2	0	4
5	BCS205	Data Structure	3	2	0	4
6	BCS206	Probability, Statistics & Numerical Analysis	3	0	2	4
		<b>Total</b>				<b>24</b>





**Semester-III**

<b>Sr. No</b>	<b>Code</b>	<b>Name of Subject</b>	<b>T</b>	<b>P</b>	<b>T</b>	<b>Total</b>
1	BCS301	Operating system	3	2	0	4
2	BCS302	Information theory and coding	3	0	2	4
3	BCS303	Computer Graphics	3	2	0	4
4	BCS304	Database Management System	3	2	0	4
5	BCS305	Computer Architecture and Organization	3	0	2	4
		Total				20

**Semester-IV**

<b>Sr. No</b>	<b>Code</b>	<b>Name of Subject</b>	<b>T</b>	<b>P</b>	<b>T</b>	<b>Total</b>
1	BCS401	Software Engineering	3	2	0	4
2	BCS402	Java Programming	3	4	0	5
3	BCS403	Design and Analysis of Algorithm	3	2	0	4
4	BCS404	Introduction to Cryptography	3	2	0	4
5	BCS405	Introduction to Cyber Forensics	3	2	0	4
6	BCS406	Seminar	0	2	0	1
		Total				22

