Questions and answer

Good afternoon. Welcome to the Bharathiar University Help Desk!

We offer exceptional programs for professionals to excel in the business world. Our programs combine online learning flexibility with academic rigor and practical application.

To assist you better, please help us with the course offered by the department of computer application which is the part of the school of computer science and engineering at Bharathiar University, Coimbatore.

which you are looking for, and we'll provide tailored information.

1) **DEPARTMENT INFORMATION…**

Answer:
The Department of Computer Applications at Bharathiar University, Coimbatore, offers high-quality education and research opportunities in the field of Computer Science. It focuses on advanced computing technologies, software development, Cyber Security and data analytics.
⚲ Location: School of Computer Science and Engineering block, Bharathiar University campus.
👩💼 Head of the Department (HOD): Dr. M.Punithavalli (professor and head)
✉ Contact: info@b-u.ac.in or visit www.b-u.ac.in.

2) **Admission & Eligibility Queries**

Answer:

Eligibility for MCA,M.SC Cyber Security,M.SC Data Analytics: A bachelor's degree in Computer Applications, Computer Science, or any related discipline with mathematics ,as a subject at 10+2 or graduation level.

- **Admission Process:** Based on merit and university norms; applications are available online at https://b-u.ac.in.

- **Duration:** 2 years (4 semesters).

- **Mode:** Regular, full-time program.

Under Graduation

The BCA program is usually offered in affiliated colleges under Bharathiar University, not directly in the main department.

Post Graduation

We offer a range of comprehensive education programs to cater to different learning needs. Here are some of the programs we provide:

COURSES OFFERED

MCA- Master of Computer Application - 2Years

M.SC in Cyber Security   - 2Years

M.SC in Data Analytics   - 2Years

🎓 Ph.D. in Computer Applications — Research program

MCA-BUTTON

Thank you for your interest in our MCA program!

SYLLABUS:

1st sem

Course Code	Title of the Course	Credi ts	Hours		Maximum Marks		
			Theory	Practical	CIA	ESE	Total
FIRST SEMESTER							
25CSEAC01	Mathematical Foundation For Computer Applications	4	4	-	25	75	100

25CSEAC02	Data Structures using JAVA	4	2	4	25	75	100
25CSEAC03	Computer Networks	4	2	4	25	75	100
25CSEAC04	Advanced DBMS	4	2	4	25	75	100
25CSEAC05	Software Project Management	4	4	-	25	75	100
Elective 1	Elective - I	4	4	-	25	75	100
Supportive		2	2		12	38	50
Total		**26**			**162**	**488**	**650**

2nd sem

25CSEAC06	Python Programming	4	2	4	25	75	100
25CSEAC07	Mobile Application Development	4	2	4	25	75	100
25CSEAC08	Digital Image Processing	4	2	4	25	75	100
25CSEAC09	Software Testing with Selenium	4	2	4	25	75	100
Elective 2	Elective – II	4	4	-	25	75	100
Elective 3	Elective – III	4	4	-	25	75	100
Total		**24**			**150**	**450**	**600**

3rd sem

25CSEAC10	Web Technologies	4	2	4	25	75	100
25CSEAC11	Big Data Analytics	4	2	4	25	75	100
25CSEAC12	Internet of Things	4	2	4	25	75	100
25CSEAC13	Cryptography & Information Security	4	4	-	25	75	100
Elective 4	Elective – IV	4	4	-	25	75	100

Elective 5	Elective – V	4	4	-	25	75	100
25CSEAC14	Mini Project & Viva- voce	4		4	25	75	100
Total		**28**			**175**	**525**	**700**

4th sem

25CSEAC15	Research Methods in Computer Applications – Self Study 1	2			50	-	50
25CSEAC16	DevOps & Agile Methodology – Self Study 2	2			50	-	50
25CSEAC17	Major Project & Viva-voce	8			50	150	200
Total		**12**			**150**	**150**	**300**

FEES STRUCTURE:

Total Fee

First Semester (BU Students)**25990**

First Semester (Other Institution Students)**26510**

First Semester (SC/ST - BU Students)**8740**

First Semester (SC/ST - Other Institution Students)**9260**

Second Semester**21150**

Second Semester (SC/ST - Students)**3900**

Third Semester**23220**

Third Semester (SC/ST - Students)**5970**

Fourth Semester**21150**

Fourth Semester (SC/ST - Students)**3900**

M.SC DATA ANALYTICS -BUTTON

Thank you for your interest in our M.SC DATA ANALYTICS program!

syllabus

1st sem

Course Code	Title of the Course	Credits	Hours Per Week		Maximum Marks		
			Theory	Practical	CIA	ESE	Total
25CSEGC01	Core – Principles of Data Science	4	4	0	25	75	100
25CSEGC02	Core – Mathematical Foundations for Machine Learning	4	4	0	25	75	100

25CSEGC03	Core - Data Structure, Design and Analysis of Algorithms	4	2	4	25	75	100
25CSEGC04	Core - Python Programming	4	2	4	25	75	100
25CSEGC05	Core - Virtualization and Cloud	4	2	4	25	75	100
25CSEGE01	Elective I Data Privacy and Ethics	4	4	0	25	75	100
General	General Supportive	2	2	0	12	38	50
Total		**26**	**20**	**12**	**162**	**488**	**650**

2nd sem

2nd sem

25CSEGC06	Core – Advanced Database Management Systems	4	2	4	25	75	100
25CSEGC07	Core – Probability and Statistics for Data Analytics	4	4	0	25	75	100
25CSEGC08	Core – Data Mining and Analytics	4	2	4	25	75	100
25CSEGC09	Core – Mobile Programming	4	2	4	25	75	100
25CSEGE02	Elective II Data Visualization	4	2	4	25	75	100
25CSEGE03	Elective III Text Analytics	4	2	4	25	75	100
Total		**24**	**14**	**20**	**150**	**450**	**600**

3rd sem

25CSEGC10	Core – Artificial Intelligence	4	4	0	25	75	100
25CSEGC11	Core – Big Data Analytics Frameworks and Tools	4	2	4	25	75	100
25CSEGC12	Core – Machine Learning	4	2	4	25	75	100
25CSEGC13	Core Industry Module - Generative Learning Models	4	2	4	25	75	100
25CSEGE04	Elective IV Semantic Web	4	4	0	25	75	100
25CSEGE05	Elective V Internet of Things	4	2	4	25	75	100
25CSEGC14	Mini Project and Viva Voce	4	0	1	25	75	100
Total		**28**	**16**	**17**	**175**	**525**	**700**

4th sem

25CSEGC15	(Self-Study - 1) Research Methodology	2	0	0	50	-	50
25CSEGC16	(Self-Study - 2) DevOps And Agile Methodology	2	0	0	50	-	50
25CSEGC17	Major Project and Viva Voce	8	0	0	50	150	200
Total		**12**	**0**	**0**	**150**	**150**	**300**
GRAND TOTAL		**90**					**2250**

FEES STRUCTURE:

Total Fee

First Semester (BU Students)**13220**

First Semester (Other Institution Students)**13740**

First Semester (SC/ST - BU Students)**7140**

First Semester (SC/ST - Other Institution Students)**7660**

Second Semester**8380**

Second Semester (SC/ST - Students)**2300**

Third Semester**10450**

Third Semester (SC/ST - Students)**4370**

Fourth Semester**8380**

Fourth Semester (SC/ST - Students)**2300**

M.SC CYBER SECURITY-BUTTON

Thank you for your interest in our M.SC Cyber Security program!

1st sem

Course Code	Title of the Course	Credits	Hours per Week		Maximum Marks		
			Theory	Practical	CIA	ESE	Total
FIRST SEMESTER							
25CSESC01	Fundamentals of Computer Programming	4	2	4	25	75	100
25CSESC02	Network Technologies and Security	4	4	-	25	75	100
25CSESC03	Ethical Hacking	4	2	4	25	75	100
25CSESC04	Python & Shell Programming	4	2	4	25	75	100
25CSESC05	Operating Systems	4	2	4	25	75	100
Elective 1	Elective I	4			25	75	100
Supportive	General Supportive	2			12	38	50
	Total	**26**			**162**	**488**	**650**

2nd sem

25CSESC06	IT Infrastructure and Maintenance	4	4	-	25	75	100
25CSESC07	Digital Forensics & Best Practices	4	2	4	25	75	100
25CSESC08	Mobile and IoT Security	4	2	4	25	75	100
25CSESC09	Cyber Threat Intelligence	4	2	4	25	75	100
Elective 2	Elective II	4			25	75	100
Elective 3	Elective III	4			25	75	100
	Total	**24**			**150**	**450**	**600**
	Job Oriented Course I	2	-	-	-	-	50
	Value Added Course I	2	-	-	-	-	50

3rd sem

25CSESC10	API Penetration Testing	4	2	4	25	75	100
25CSESC11	Malware Analysis	4	2	4	25	75	100
25CSESC12	Cloud Security	4	2	4	25	75	100
25CSESC13	Active Directory PenTesting	4	2	4	25	75	100
25CSESC14	Mini Project & Viva Voce	4	-	-	25	75	100
Elective 4	Elective IV	4			25	75	100
Elective 5	Elective V	4			25	75	100
	Total	**28**			**175**	**525**	**700**
	SWAYAM – MOOC - Online Course	2	-	-	-	-	50
	Health and Wellness	1	-	-	-	-	100

4th sem

25CSESC15	Research Methodology	2	-	-	50	-	50
25CSESC16	DevOps & Agile Methodology	2	-	-	50	-	50
25CSESC17	Major Project & Viva-voce	8	-	-	50	150	200
Total		**12**			**150**	**150**	**300**
Grand Total		**90**			**637**	**1613**	**2250**

Total Fee

First Semester (BU Students)**29600**

First Semester (Other Institution Students)**30120**

First Semester (SC/ST - BU Students)**10840**

First Semester (SC/ST - Other Institution Students)**11360**

Second Semester**24760**

Second Semester (SC/ST - Students)**6000**

Third Semester**26830**

Third Semester (SC/ST - Students)**8070**

Fourth Semester**24760**

Fourth Semester (SC/ST - Students)**6000**

Professors :

- Dr. M. Punithavalli: Professor and Head.

- Dr. J. Satheeshkumar: Associate Professor.

- Dr. V. Bhuvaneswari: Associate Professor.

- Dr. T. Amudha: Associate Professor.

- Dr. R. Rajeswari: Associate Professor.

- Dr. S. Gavaskar: Assistant Professor

- Mr. S. Palanisamy: Assistant Professor.

GEST LECTURES:

Dr. K.Arumugam

Dr. J .Komalalakshmi

Dr. E.Marry shyla

OTHERS:

8. Student Support Queries

Answer:

- **Bonafide Certificate:** Apply through the department office.

- **Leave Application:** Submit to class advisor or HOD for approval.

- **Attendance Issues:** Contact class advisor.

- **Study Materials:** Available on university LMS or department cloud folder.

- **Department Group:** Join official WhatsApp group for notices.

FURTHER ISSUES CONTACT OFFICE:

☐ Department office phone: +91-422-2428360

☐ Department email: dca@buc.edu.in. Bharathiar University

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