



BCA



BCA



Bachelors of Computer Applications

**ABHIRAM INSTITUTE
OF MANAGEMENT & SCIENCE**

Provides Regular BCA course.

**Permitted by Department of Higher Education ,
Govt. of Odisha and Affiliated to Utkal
University**



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GROUP OF INSTITUTIONS

Hatatota Road, Near Railway Crossing, Talcher, Dist. - Angul, Pin - 759100

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E-mail : abhiramgrouptalcher@gmail.com, Website : www.abhiramgroup.org

BCA - Bachelor in Computer Application

Bachelor in Computer Application (BCA) is one of the popular courses among the students who want to make their career in the IT (Information Technology) field. The duration of the course is 3 years and divided into 6 semesters. It comprises of the subjects like database, networking, data structure, core programming languages like 'C' and 'java'. This course provides a lot of opportunities to the students who are interested in computer field and wants to work in the IT sector as programmer or software developer. To get complete knowledge about the course and career scope please contact the AIMS officials.



Full Time
3 year degree
6 semesters

Bachelor of Computer Application

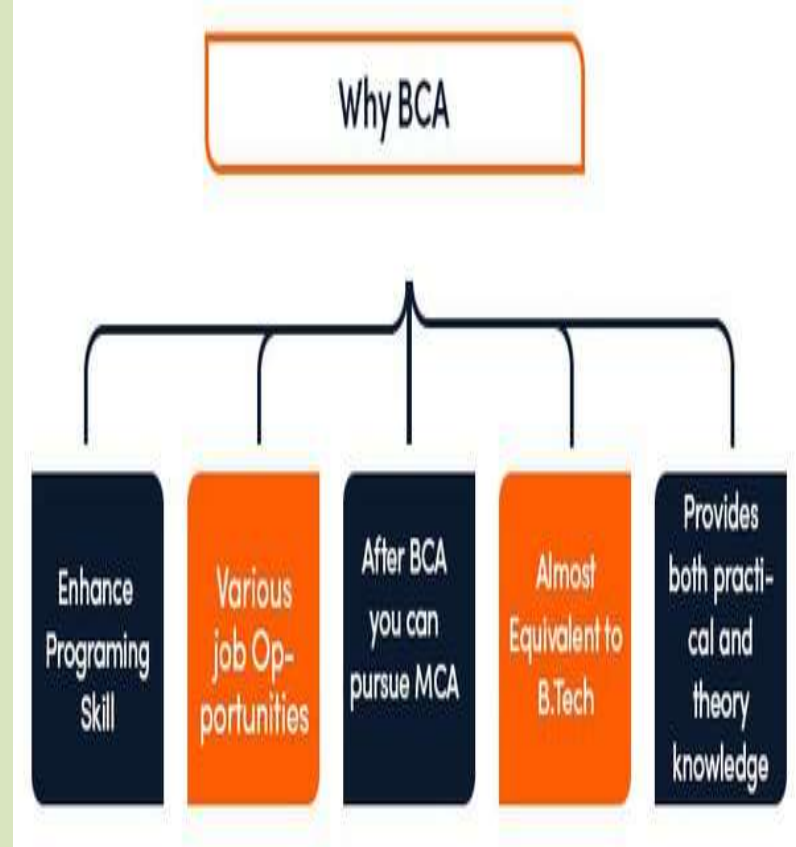


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- Bachelor of Computer Application (BCA) is one of the most popular courses in the field of computer science.
- The BCA degree has gained a lot of importance and is attracting a lot of attention in the last decade.
- The booming IT industry has created ample job opportunities across the globe. Many new IT companies are booming and making their presence in the IT revolution.
- These IT firms require skilled students who have hands-on experience with computers and computer applications.
- The BCA course turned out to be the most popular course chosen by the students after B. Tech courses.
- It is considered that the BCA course is the best alternative to the B.Tech course which is rather easier and better when compared to B.Tech.



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- The BCA course has changed according to times, it is very different now when compared to older times
- The BCA course gives a detailed training on different software and applications of computers
- The new generation of BCA courses are coming up with specific specialisations according to industry demand
- The BCA course trains the students on different aspects of computers like UX/UI, database, programming languages, development software etc.
- The course provides a lot of opportunities to the students who are interested in the computer field and willing to work in the IT sector as programmer or a software developer.
- The course focuses on preparing students for the roles pertaining to computer applications and helps the students to develop programming skills, networking skills and learn application packages, programming languages and modern techniques of information technology.



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WHAT DOES A COMPUTER SCIENCE PROFESSIONAL DO?

- The computer science professionals designs and develops software application for different industries
- The computer science professionals are required to manage the software hardware & networks in any industry
- The computer science professionals are responsible to design and development of the hardware components of PCs and laptops
- The computer science professionals are required to develop software for peripheral computing devices such as printers, modems and scanners
- The computer science professionals are required to write programming codes and algorithms for operating systems such as Windows, Mac, Linux etc



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Why to choose BCA ?

With the rapid growth of IT industry in India, the demand of computer professional is increasing day by day and hence the candidates who want to pursue their future in the field of Science and Information Technology, BCA can be a great choice after 12th. There is a growing need for qualified computer engineers and BCA can help you create a multi-faceted career in the IT industry. The basic objective of BCA Course is to provide young men and women with the required knowledge and necessary skills to get rewarding careers into the changing world of Information Technology.



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WHAT TO DO AFTER BCA?

BEST CAREER OPTIONS AFTER BCA



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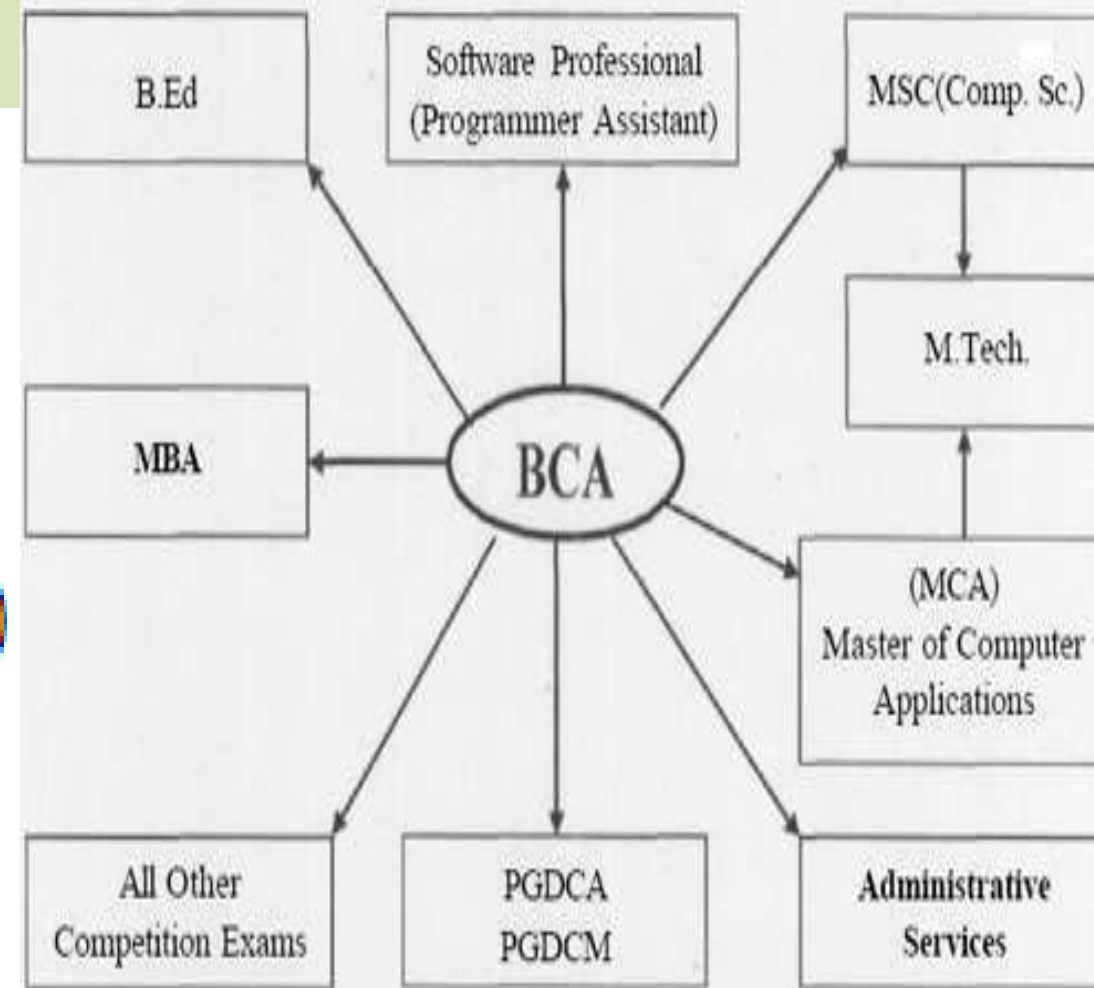
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❖ Higher Studies After BCA

- Master of Computer Applications(MCA)
- Masters Degree in Information Management (MIM)
- Masters in Computer Management (MCM)
- Post Graduate Program in Corporate Studies (PGPCS)
- Information Security Management (ISM)
- Master of Business Administration (MBA)



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Career & Jobs after completion of BCA COURSE.

The demand of IT professionals is increasing not only in ODISHA but also all over India and Abroad. After the completion of the course, the student can find a job in reputed IT companies .

In India, the average salary of a BCA Graduate is around **INR 3-6 LPA**. A salary of INR 15,000 to 30,000 is offered per month to BCA jobs in India by the government organizations like Banks, BPOs, EPFO, NIOS apart from private companies.



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❖ Private Companies Offering Jobs After BCA

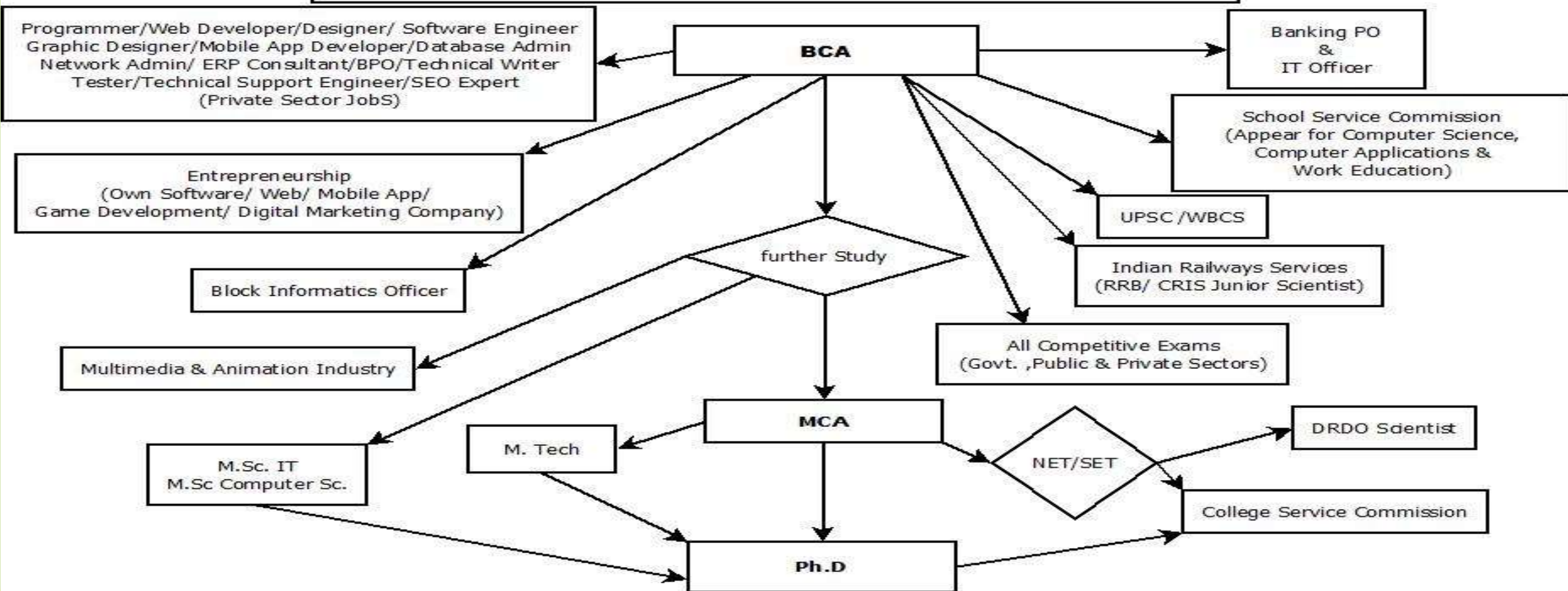


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CAREER PROSPECT AFTER BACHELOR OF COMPUTER APPLICATIONS



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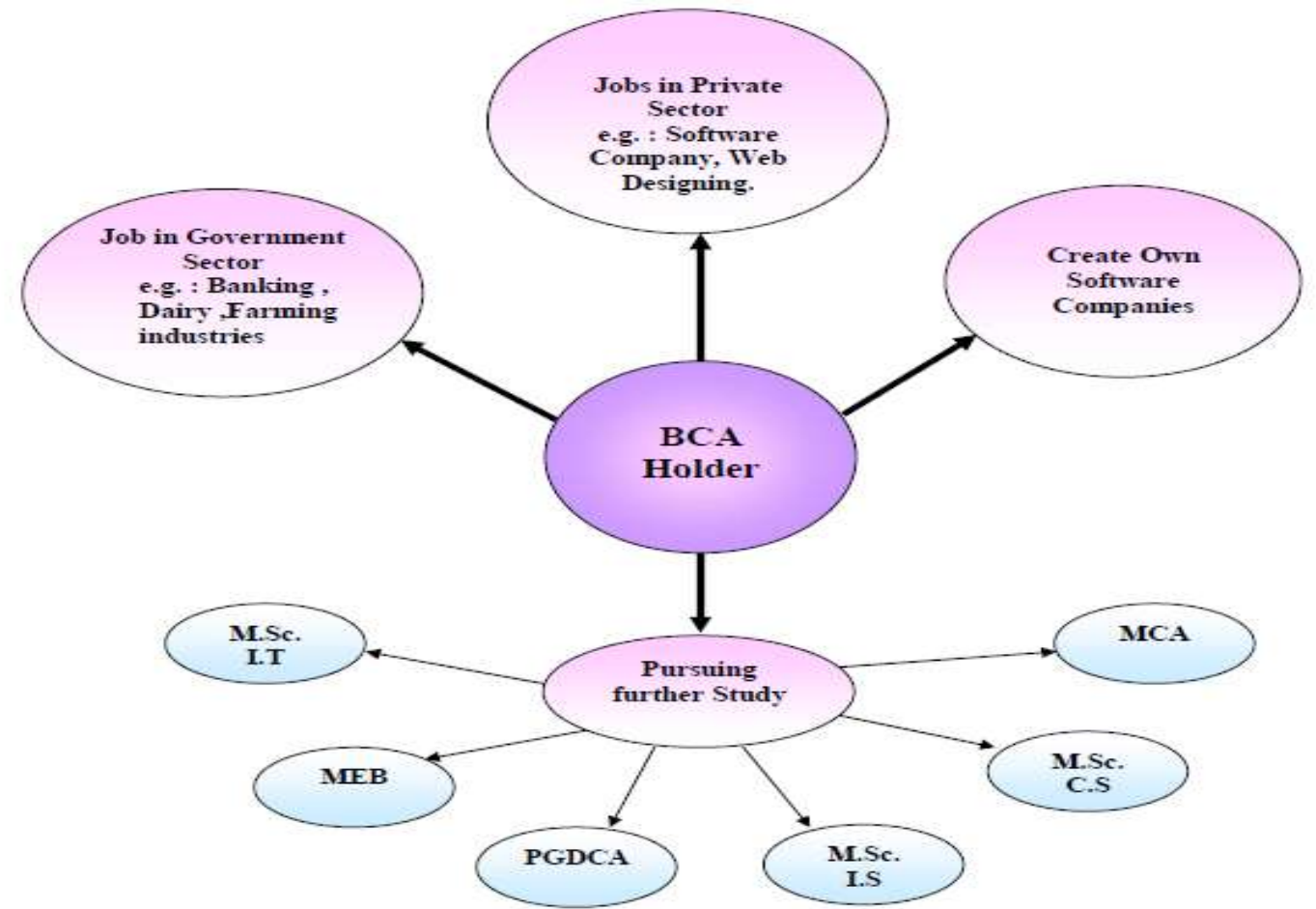
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This field provides you ample opportunities to make your career not only in private sector but also in the public sector. The government organization like:-

NIC,
Indian Army,
Indian Air Force and
India Navy etc

Are also recruit large number of computer professionals for their IT department.



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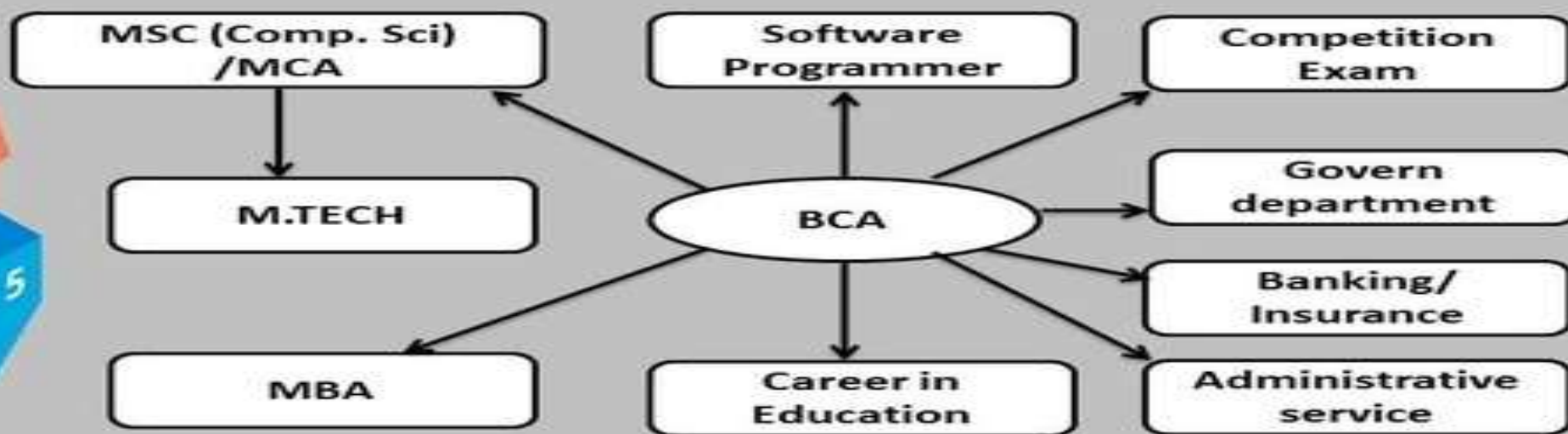
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A word cloud on a dark blue background. The central and largest text is 'Digital Marketing' in white. Surrounding it are various terms in different colors and sizes, including 'Advertising' (light blue), 'Technology' (white), 'SEO' (white), 'Branding' (yellow), 'Creative' (light blue), 'Web' (light blue), 'Ideas' (light blue), 'Promote' (white), 'Sell' (yellow), 'Target' (white), 'SEM' (light blue), 'Interactive' (yellow), 'Customers' (white), 'Performance' (white), 'Content' (white), 'Inspiration' (yellow), 'Implementation' (white), 'Consumer' (white), 'Analysis' (yellow), 'Placement' (white), 'Growth' (white), 'Target' (white), 'Media' (white), 'Online' (yellow), 'Mobile' (white), 'Solutions' (white), 'Growth' (white), 'Promotion' (white), 'Dynamic' (white), 'Campaign' (white), 'Objectives' (white), 'Creative' (light blue), 'Idea' (yellow), 'Ideas' (light blue), 'Promote' (white), 'Sell' (yellow), 'Target' (white), 'SEM' (light blue), 'Interactive' (yellow), 'Customers' (white), 'Performance' (white), 'Content' (white), 'Inspiration' (yellow), 'Implementation' (white), 'Consumer' (white), 'Analysis' (yellow), 'Placement' (white), 'Growth' (white), 'Target' (white), 'Media' (white), 'Online' (yellow), 'Mobile' (white), 'Solutions' (white), 'Growth' (white), 'Promotion' (white), 'Dynamic' (white).



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BCA Career Opportunities



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Eligibility & Admission Process:-

Course Name	Eligibility	Duration	Affiliation
B.C.A	+2 Sc or equivalent with Mathematic as a subject	3 Year	Utkal University

- ❖ The eligible candidates will have to apply through prescribed application form of AGI with the following documents.

Original Document	Self-Attested Copy Of	Passport Photo of
CLC/TC	Aadhar of Student & Guardian	Student's 06nos
	HSC Certificate & Marksheet	
	+ 2 or equivalent Provisional Certificate	Guardian's 1 no
	+ 2 or equivalent Provisional Marksheet	

- ❖ For SC/ST students who wants to apply for scholarship form Govt, will have to submit current ICR certificate from proper authority.



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FEE STRUCTURE- 2022-23

SL.NO	COURSE NAME	Type	DURATION	Affiliation	COURSE FEE/MONTH	COURSE FEE/ANNUUM	FORM FILLUP FEE / SEM	KIT FEE/ Reg. FEE
1	B.C.A (Utkal)	Day Scholar	3 Yr.	Utkal University	--	40000	1500	1000
		Residential	3 Yr.	Utkal University	--	88000	1500	1000

Terms & Conditions:-

- ❖ In case of SC/ST student form fill-up fee per semester will be Rs 500.00 for BBA/BCA/PGDCA courses and Rs 1000.00 for DMLT courses.
- ❖ KIT FEE of Rs 1000.00 includes registration fee, one pair of uniform cloth, one study bag and I card.
- ❖ Hostel fee includes one individual bed with daily 3-time food and weekly 3 days non-veg.
- ❖ For monthly system 2 months security should be deposited at the time of admission.
- ❖ For annual system, minimum 50% amount should be deposited at the time of admission and the rest amount should be cleared within 3 months from date of admission.
- ❖ Fees once paid is neither refundable nor transferable.
- ❖ The management reserves the right to modify/alter/cancel the above fee structure at any time.



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Course Details & Syllabus:-

SEMESTAR-1

COURSE OPTED	COURSE NAME	CREDITS
Ability Enhancement Course-1	AEC-1 (Environmental Science)	4
Core Course-1	Digital Logic	4
Core Course-1 Practical	Digital Logic LAB	2
Core Course-2	Programming using C	4
Core Course-2 Practical	Programming using C LAB	2
Generic Elective/ Inter-disciplinary Course -1	GE/IC-1 (Principles of Management)	4
Generic Elective/ Inter-disciplinary Course -1 Tutorial/Practical	GE/IC -1 Tutorial/ LAB (Principles of Management Tutorial)	2



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Course Details & Syllabus:-

SEMESTAR-2

COURSE OPTED	COURSE NAME	CREDITS
Ability Enhancement Course-2	AEC-2 (English/ MIL Communication)	4
Core Course-3	Programming using C++	4
Core Course-3 Practical	Programming using C++ LAB	2
Core Course-4	Data Structure	4
Core Course-4 Practical	Data Structure LAB	2
Generic Elective/ Inter-disciplinary Course -2	GE/IC-2 (Statistics)	4
Generic Elective/ Inter-disciplinary Course-2 Tutorial /Practical	GE/IC -2 Tutorial/ LAB (Statistics LAB)	2



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Course Details & Syllabus:-

SEMESTAR-3

COURSE OPTED	COURSE NAME	CREDITS
Core Course-5	Computer Organization	4
Core Course-5 Practical	Computer Organization LAB	2
Core Course-6	JAVA Programming	4
Core Course-6 Practical	JAVA Programming LAB	2
Core Course-7	Discrete Mathematical Structures	4
Core Course-7 Practical	Discrete Mathematical Structures LAB	2
Skill Enhancement Course-1	SEC-1 (Python Programming)	4
Generic Elective/ Inter-disciplinary Course -3	GE/IC-3 (Business Accounting)	4
Generic Elective/ Inter-disciplinary Course -3 Tutorial/Practical	GE/IC -3 Tutorial/ LAB (Business Accounting Tutorial)	2



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Course Details & Syllabus:-

SEMESTAR-4

COURSE OPTED	COURSE NAME	CREDITS
Core Course-8	Operating System	4
Core Course-8 Practical	Operating System LAB	2
Core Course-9	Computer Networks	4
Core Course-9 Practical	Computer Networks LAB	2
Core Course-10	Database Systems	4
Core Course-10 Practical	Database Systems LAB	2
Skill Enhancement Course-2	SEC-2 (Android Programming)	4
Generic Elective/ Inter-disciplinary Course -4	GE/IC-4 (Business Economics)	4
Generic Elective/ Inter-disciplinary Course -4 Tutorial/Practical	GE/IC-4 Tutorial/ LAB (Business Economics Tutorial)	2



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Course Details & Syllabus:-

SEMESTAR-5

COURSE OPTED	COURSE NAME	CREDITS
Core Course-11	Web Technology	4
Core Course-11 Practical	Web Technology LAB	2
Core Course-12	Software Engineering	4
Core Course-12 Practical	Software Engineering LAB	2
Discipline Specific Elective-1	DSE-1 (Unix Programming)	4
Discipline Specific Elective-1 Practical	DSE-1 LAB/ Tutorial (Unix Programming LAB)	2
Discipline Specific Elective-2	DSE-2 (Data Mining)	4
Discipline Specific Elective-2 Practical	DSE-2 LAB/ Tutorial (Data Mining LAB)	2



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Course Details & Syllabus:-

SEMESTAR-6

COURSE OPTED	COURSE NAME	CREDITS
Core Course-13	Computer Graphics	4
Core Course-13 Practical	Computer Graphics LAB	2
Core Course-14	Numerical Techniques	4
Core Course-14 Practical	Numerical Techniques LAB	2
Discipline Specific Elective-3	DSE-3 (Data Science)	4
Discipline Specific Elective-3 Practical	DSE-3 LAB/ Tutorial (Data Science LAB)	2
Discipline Specific Elective-4	DSE-4 (Project Work / E-Commerce)	6/4
Discipline Specific Elective-4 Practical	DSE-4 LAB/ Tutorial (E-Commerce Tutorial)	2



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