

Tilak Maharashtra University, Pune

(Counseling and Admission centre)

B.C.A.

Bachelor Of Computer Applications

Duration : 3 Years (Six Semesters)

Eligibility : 12th Pass Or Diploma in Engineering (From BTE)

Lateral Entry To Direct Second Year: 3 Years Diploma In Computer Application/IT from BTE

First Year

Semester I

1. Computer Fundamental & Networking
2. C Programming
3. Mathematics
4. English
5. Operating System
6. Lab - C Programming
(Practical + Mock + Assignment)

Second Year

Semester III

1. Advanced Web Designing
2. Database Management System (DBMS)
3. E-Commerce
4. ERP
5. Software Testing & Quality Assurance
6. Lab-Advanced Web Designing
(Practical+Mock+Assignment)

Third Year

Semester V

1. Python
2. Linux
3. Business Applications
4. UML
5. Lab -Python
(Practical+Mock+Assignment)
6. Lab - Linux (Practical+Mock+Assignment)

Semester II

1. Statistics
2. Communication Skills
3. Object Oriented Programming using c ++
4. Structured System Analysis & Design
5. Principles and Practice Of Management-I
6. Lab - Object Oriented Programming using c ++
(Practical + Mock + Assignment)

Semester IV

1. Java
2. Principles & Practices of Management II
4. Advance d Database
5. Environmental Studies
6. Lab- JAVA
(Practical+Mock+Assignment)
7. Lab Advanced Database
(Practical+Mock+Assignment)

Semester VI

1. Cloud Computing
2. Android
3. Organizational Behavior
4. Lab-Android
5. Lab-Cloud Technology
6. Project

The Best Career Option in Information Technology



Yashwantrao Chavan

Maharashtra

Open University,

Nashik.

&

Tilak Maharashtra

Vidyapeeth, Pune.



BCA

Bachelor of Computer Applications



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0251- 2311420 | 7718820320

**Authorised
study center**

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Pre Qualification

- 12th standard of HSC Board of Maharashtra, or its equivalent [including MCVC]
- OR • 3-year Diploma of Board of Technical Examination or equivalent
- OR • 2-year ITI Programme of any trade after 10th standard passed
- OR • 2-year course of Maharashtra State Board of Vocational Education after 10th.
- OR • YCMOU Preparatory passed
- Direct admission to the Second Year of BCA Programme
- Successfully completed the 3-year diploma in Computers/ Information Technology from Government Technical Board after 10th OR
- Successfully completed the 1st Year of Computer Science/Information Technology/Computer Application degree programme (without ATK) from the recognized University after 12th with maths

Course Code	Course Name	Theory / Practical / Project	Assessment Type	
			CA	EE
Semester I				
AEC001	English Communication	Theory	20	80
CMP501	Mathematics	Theory	20	80
CMP502	Problem Solving using computer	Theory	20	80
CMP503	Programming using C++	Theory	20	80
CMP701	Lab: Mathematics	Practical		50
CMP702	Lab: Problem solving using computer	Practical		50
CMP703	Lab: Programming using C++	Practical		50
			Total:	220/550
Semester II				
ENV121	Environmental Studies	Theory	20	80
CMP504	Statistics	Theory	20	80
CMP505	Data structure using C++	Theory	20	80
CMP506	Computer Networks	Theory	20	80
CMP704	Lab: Statistics	Practical		50
CMP705	Lab: Data Structure using C++	Practical		50
CMP706	Lab: Computer Networks	Practical		50
			Total:	220/550
Semester III				
ICT151	IT and E-Learning Skills	Theory	20	80
CMP507	Operating System	Theory	20	80
CMP508	Web Technologies	Theory	20	80
CMP509	Database Management System	Theory	20	80
CMP707	Lab: Operating System	Practical		50
CMP708	Lab: Web Technologies	Practical		50
CMP709	Lab: Database Management System	Practical		50
			Total:	220/550

Course Code	Course Name	Theory / Practical / Project	Assessment Type	
			CA	EE
Semester IV				
OPN272	Financial and Investment Skills	Theory	20	80
CMP510	Computer System Architecture	Theory	20	80
CMP511	Software Engineering	Theory	20	80
CMP512	JAVA	Theory	20	80
CMP710	Lab: Computer System Architecture	Practical		50
CMP711	Lab: Software Engineering	Practical		50
CMP712	Lab: JAVA	Practical		50
			Total:	220/550
Semester V				
CMP332	Quantitative Aptitude	Theory	20	80
CMP513	E Commerce Technologies	Theory	20	80
CMP514	Advance JAVA	Theory	20	80
CMP515	Linux Administration	Theory	20	80
CMP713	Lab: E Commerce Technologies	Practical		50
CMP714	Lab: Advance JAVA	Practical		50
CMP715	Lab: Linux Administration	Practical		50
			Total:	220/550
Semester VI				
OPN273	Personality and Career Skills	Theory	20	80
CMP516	Android Programming	Theory	20	80
CMP517	PHP Programming	Theory	20	80
CMP716	Lab: Android Programming	Practical		50
CMP717	Lab: PHP Programming	Practical		50
CMP718	Project - BCA	Practical		150
			Total:	220/550

- ◆ **CA : Continuous Assessment**
- ◆ **EE: End Examination**
- ◆ **For successful completion of a Theory Course, the examinee must secure at least 40 % marks in the EE AND at least 40% in combined total of CA and EE.**
- ◆ **Starting date of admission for 1st/2nd/3rd Year - 1st June**
- ◆ **Last date of admission for 1st/2nd/3rd Year -31st July**
- ◆ **Last date of admission with late fee for all years - 30th August**