

DETAILED COURSE OUTLINE

The detailed course outline for BCA program is given below which is subject to any change by the Board of Studies approved by Academic Council & Executive Council of Himachal Pradesh University, Shimla

First semester

1. Mathematics-I
2. Applied English
3. Computer Fundamentals
4. C Programming
5. Office Automation Tools
6. C Programming Lab-I
7. Office Automation Tools Lab-II

Second Semester

1. Mathematics-II
2. Communicative English
3. Digital Electronics
4. Data Structures
5. Data Base Management System
6. Data Structures Lab-III
7. Data Base Management System Lab-IV

Third Semester

1. Mathematics III
2. Business Practices and Management
3. Computer Organization
4. Object Oriented Programming with C++
5. Desktop Publishing and Designing
6. Object Oriented Programming with C++ Lab-V
7. Desktop Publishing and Designing Lab-VI

Fourth Semester

1. Personnel Management
2. Accounting
3. System Analysis and Design
4. Internet Technology & Web Page Design
5. Programming in Visual Basic
6. Internet Technology & Web Page Design Lab-VII
7. Programming in Visual Basic Lab-VIII

Fifth Semester

1. Operating System
2. E-Commerce
3. Management Information System
4. ASP.net Technologies
5. Computer Oriented Statistical Methods
6. ASP.net Technologies Lab-IX
7. Computer Oriented Statistical Methods Lab-X

Sixth Semester

1. Computer Networks
2. Numerical Methods
3. Multimedia Technology
4. Computer Graphics
5. Software Engineering
6. Computer Graphics Lab-XI
7. Major Project

7. Programming in Visual Basic Lab-VIII
6. Internet Technology & Web Page Design Lab-VII
5. Programming in Visual Basic
4. Internet Technology & Web Page Design
3. System Analysis and Design
2. Accounting
1. Personnel Management