



Bachelor of Computer Application





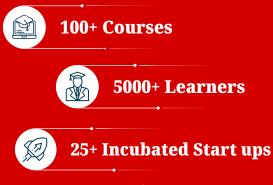




ABOUT VGU

Vivekananda Global University is one of the leading private universities in India. VGU is a NAAC A+ accredited and UGC approved institution supplementing the young generation with a credible step forward in their careers. All programmes of VGU are UGC and other regulatory bodies approved. VGU is committed to providing excellence in education, research, consultancy, and the promotion of human advancement. We have set up thousands of benchmarks and created an impact on higher education unparalleled to any other. We have been proudly accoladed with the title of:

- The Most Preferred Private University Of The Year-WEST for 2 Consecutive Years.(2018/19)
- 4 Star Rated Green Campus by ASSOCHAM, India
- Acknowledged in the Forbes List 2018 Among 35 Institutes Across India
- Certified as a Global League Institute 2019-20, With rating of 4,1/5 based on the Student Satisfaction Survey



1500+ Placements



APPROVALS & ASSOCIATIONS



Online Programme Entitled by UGC



Accredited by National Assessment & Accreditation Council



All India Council for **Technical Education**

APPROVALS & ASSOCIATIONS

Trust and Legacy built by VGU over the years is now extended to Online VGU, a state-of-the-art online higher education initiative that aims to deliver new-age degrees to learners with the promise of quality, flexibility, and accessibility. Get access to transformative knowledge at your comfort and the stellar credibility of one of the most renowned Universities in the country.





Bachelor of Computer Application

Learners will gain a solid foundation in computer science, software development, and programming languages through the online Bachelor of Computer Applications (BCA) degree program. The Bachelor of Computer Applications course curriculum prepares learners for a wide range of IT-related occupations, where teamwork and problem-solving skills are essential for producing high-quality software and technological solutions. Our Online BCA provides the flexibility of learning, interactive sessions with industry experts are empowering graduates to thrive in the digital age and pursue rewarding careers in IT, all while offering the convenience of flexible online learning.



Career Avenues

Software Developer/Programmer Senior Software Developer Database Administrator IT Project Manager

IT Consultant Chief Technology Officer (CTO) IT Director System Analyst Trainee



Eligibility

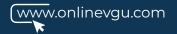
Passed in 10+2 or equivalent in any stream from a recognized Board/ Council/ University.

Duration

3 Years/36 Months (6 Semesters) 6 yrs Maximum duration for completion

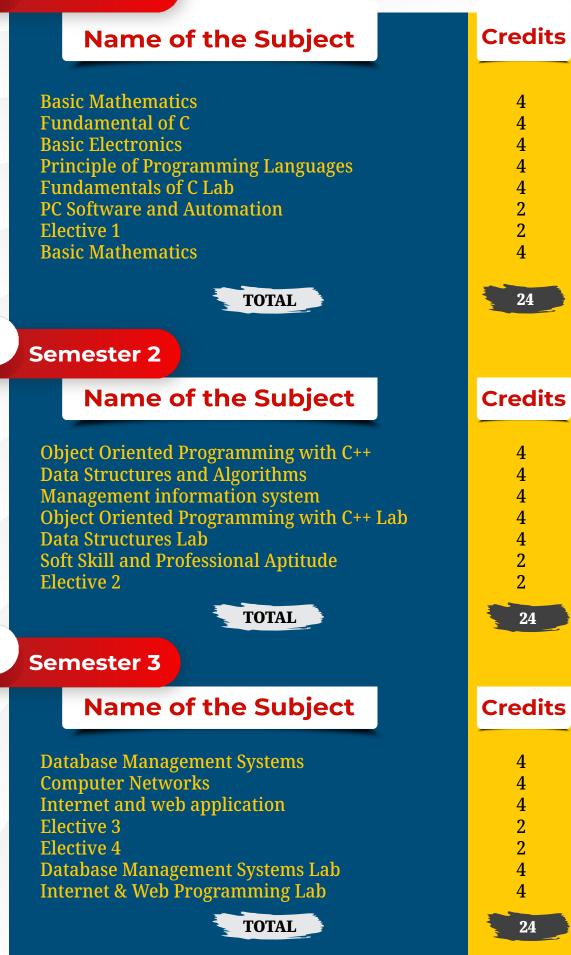
Academic Fee

₹ 19,000 / Semester For National Applicant ₹ 38,000 / Semester
For International Applicant



Program Structure – BCA

Semester 1



Semester 4

Name of the Subject

Programming in Java Operating Systems Computer Graphics and Visualization Elective 5 Elective 6 Computer Graphics Lab Programming in Java Lab

TOTAL

Semester 5

Name of the Subject

Software Engineering Software Engineering Lab Python Programming Python Programming Lab Elective 7 Elective 8 Project Formulation and Appraisal

TOTAL

Semester 6

Name of the Subject

MAJOR PROJECT Elective 9 Elective 10 Indian Knowledge System* Universal Human Values*

TOTAL

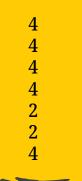
* Subject to Approval

Credits

4	
4	
4	
2	
2	
4	
4	



Credits



24

Credits

10	
2	
2	
3	
3	
20	

GRAND TOTAL :

140

Name of Electives



2 Data Science

3 Cloud Technology and Information Security

- 4 Block-chain Technology
- 5 Artificial Intelligence

Specialization 1- UX

Elective 1- Introduction to UX Design Elective 2- Empathy and User Research Elective 3- Technology in Experience Design Elective 4- Information Architecture Elective 5- Interaction Design Elective 6- Wireframing and Prototyping Elective 7- Usability Testing Elective 8- Visual Design Tools Elective 9- Business, UX and Design Management Elective 10- Design Thinking Application

Title

Credits
2
2
2
2
2
2
2
2
2
2

Specialization 2 – Data Science

Title

Elective 1- Multimedia Systems Elective 2- Mathematical Computation of Data Elective 3- Introduction to Data Science Elective 4- Big Data Analytics Elective 5- Machine Learning Elective 6- R for Data Science Elective 7- Information Extraction and Retrieval Elective 8- Data Mining and Prediction Elective 9- Data Handling and Visualization Elective 10- Software Project Management

Name of Electives

Title	Credits
Elective 1- Multimedia Systems	2
Elective 2: Introduction to cryptography	2
Elective 3: Principles of Virtualisation	2
Elective4: Fundamentals of Cloud Technology	2
Elective 5- Network Security	2
Elective 6- Cloud Web Services	2
Elective 7- Database Security Fundamentals	2
Elective 8- Ethical Hacking	2
Elective 9- Infrastructure Solutions on Cloud	2
Elective 10- Software Project Management	2

Specialization 4 – Block Chain Technology

Title

Elective 1- Multimedia Systems
Elective 2: Introduction to cryptography
Elective 3- Fundamentals of blockchain technology
Elective 4- Distributed Ledger Technology
Elective 5- Solidity Programming
Elective 6- Smart Contract Development
Elective 7- Blockchain Architecture
Elective 8- Blockchain Platforms and Ethereum
Elective 9- Blockchain Economics
Elective 10- Software Project Management

Specialization 5– BCA Artificial Intelligence

Title

Elective 1- Multimedia Systems Elective 2- Mathematical Computation of Data Elective 3- Discrete Mathematics Elective 4- Artificial Intelligence Elective 5- Machine Learning Elective 6- Deep Learning Elective 7: Reinforcement Learning Elective 8: Natural Language Processing Elective 9: Chat Bot Development Elective 10- Software Project Management

Credits
2
2
2
2
2
2
2
2
2
2



24x7 Learner Support **Center & Mentors**

Internal × Assessment

Internal Assessment (30 Marks)

- Assignment 1 (10 Marks)
- Assignment 2 (15 Marks)
- Participation in overall Activities (5 Marks)

End Term × Examination

End Term Examination (70 Marks)

- > 49 MCQs (1 mark each)
- > 3 Subjective Questions (7 marks each)

How to Apply?



Visit https://onlinevgu.com/ & Locate the Registration Portal



Fill your details and pay the registration fee



Pay the academic fee for the first semester/year or full program



Upload All Mandatory documents & submit your application



The university will verify your documents to confirm your admission



We help your dreams to become reality. Join our dynamic degree programs and learn out of the box from the best industry leaders.



Get in touch

Visit https://onlinevgu.com/ Admission helpline No: +91 7411015741 E-mail: admission@onlinevgu.com