







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



100+ Courses



25+ Incubated Start ups



5000+ Learners



1500+ Placements

APPROVALS &

ASSOCIATIONS



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.

Why choose us?

Online Programme Entitled by UGC (Certificate awarded by VGU Jaipur, rated A+ by NAAC.)



Bespoke Industry-ready specialisation (Make yourself industry ready by learning new-age future skill specialisations)

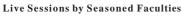
Self-paced online degree

(Study while working. Learn from anywhere with optimum flexibility)



Mentorship with Corporates

(Have corporate coaches, Industry experts, and faculties as your mentors)



(Enrich yourself with online classes conducted by Experienced faculties)



AI Based Virtual Proctored Examination

(Appear in the Examination from any place through online)



(Get Career guidence from Eminent Industry Professionals)



Dedicated Learner Support Service

(Personalized support through dedicated learner support team)







The two-year Online M.Sc. Mathematics degree program offers deeper knowledge of advanced mathematics. Our M.Sc. Mathematics covers a wide range of topics such as geometry, calculus, algebra, number theory, differential equations, etc. This online post g raduate's degree provides a convenient platform for individuals to deepen their mathematical expertise, fostering opportunities in fields such as academia, research, data science, and industry, while allowing for flexible learning tailored to individual schedules





Career **Avenues**

- Data Scientist
- Statistical Consultant
- Research Analyst
- Actuarial Analyst
- · Risk Analyst

- Senior Data Scientist
- Lead Statistician
- Research Manager
- Quantitative Analyst
- · Chief Data Officer

Eligibility

Graduates with BA/Bsc degree with Mathematics as one of the three main subjects

Duration

2 Years/24 Months (4 Semesters) 4 yrs Maximum duration for completion

Academic **Fee**

₹ 16,000 / Semester
For National Applicant

₹ 32,000 /Semester
For International Applicant

Note: Examination Fee Payable ₹ 1500/- Per Semester For Indian Learner

Examination Fee Payable ₹ 3000/- Per Semester For International Learner

Program Structure – M.Sc. MATHEMATICS



Semester 1

Name of the Subject

Advanced Abstract Algebra Topology Integral Transforms Special Functions MATLAB Differential Geometry

or

Object Oriented Programming with C++ with Theory and Lab



Credits

4

4

4

2

4





Semester 2

Name of the Subject

Mathematical Programming Advanced Numerical Analysis Integral Equations and Calculus of Variations Discrete Mathematical Structures Numerical Analysis Lab – I Functional Analysis

or

Computer System Organization





Semester 3

Name of the Subject

Advanced Linear Algebra
Operations Research
Tensor Analysis
Choose any one from list of DSE Courses
Choose any one from list of DSE Courses
Numerical
Analysis Lab – II



Credits

4

4

4 2

4

22

Credits

4

4

4

2





Semester 4

Name of the Subject

Project Seminar LaTeX Lab Choose any one from list of DSE Courses Choose any one from list of DSE Courses Choose any one from list of DSE Courses

TOTAL

Credits

8 1

1

4

4

4

GRAND TOTAL

88

LIST OF DEPARTMENT **SPECIFIC** ELECTIVE COURSES

S. No.

Department Specific Elective

Fluid Mechanics Mathematics in Multimedia Mathematical Modeling Wavelet Analysis Fuzzy Sets and Applications Cryptography Mathematical Statistics Differential Equation and Finite Element Analysis



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)

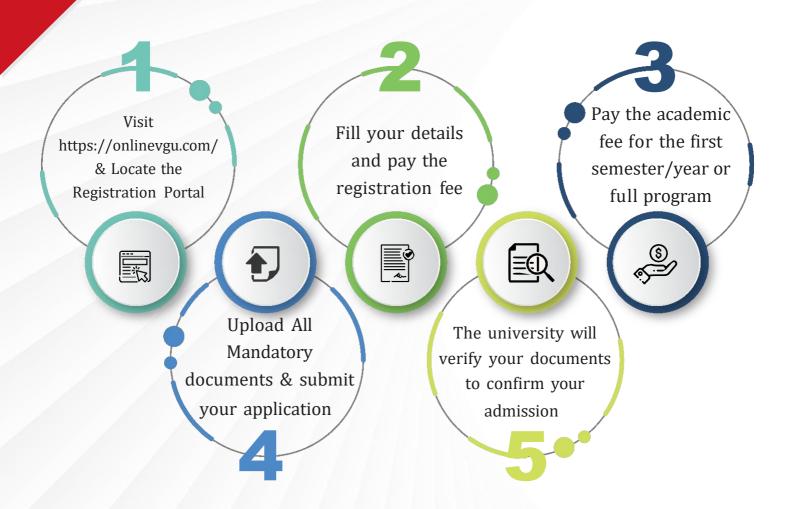
- ▶ 49 MCQs (1 mark each)
- → 3 Subjective Questions (7 marks each)







How to Apply?





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 9220315527

E-mail: admissions@onlinevgu.com

