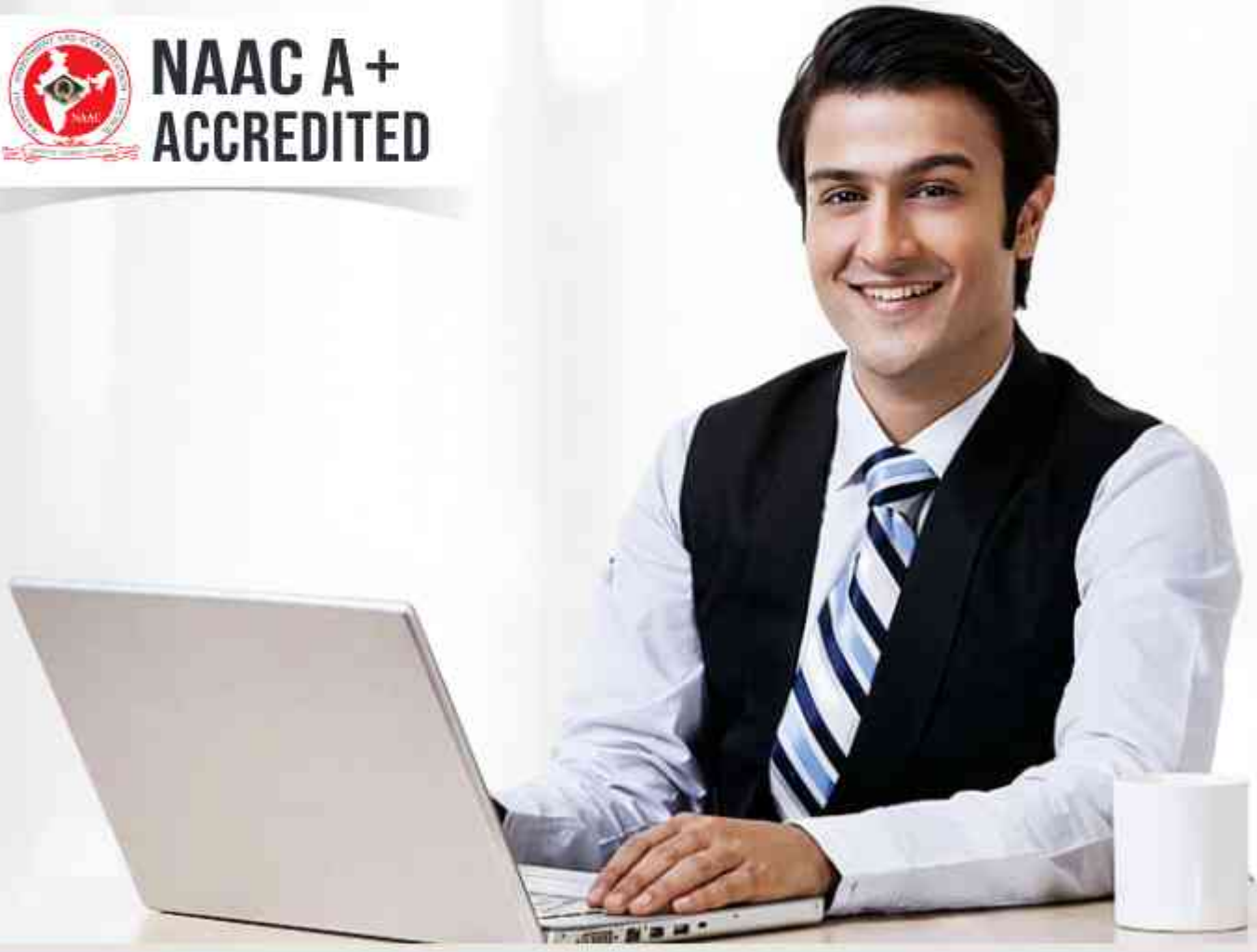
MASTER OF SCIENCE
IN DATA SCIENCE

AMITY UNIVERSITY ONLINE

ONLINE M.Sc
In DATA SCIENCE

Designed for you to build a distinctive career in analytical and leadership roles in various sectors.

NAAC A+ ACCREDITED



RECOGNIZED AND ACCREDITED

UGC ENTITLED | NAAC A+ ACCREDITED | AICTE | nirf NATIONAL INSTITUTIONAL RANKING FRAMEWORK

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A LEADING GLOBAL **EDUCATION GROUP**

Amity Education Group is one of the largest education groups, established over thirty years ago, offering globally benchmarked education right from pre-school to Ph.D. level with over 400 UG & PG programs across various disciplines in education.

"Each one of our students will be a success story. This is my dream, this is my commitment."

Dr. Ashok K. Chauhan
Hon'ble Founder President, Ritnand Balved Education Foundation

(The Foundation of Amity Institutions and the sponsoring body of Amity Universities)
Chairman, AKC Group of Companies

13 Universities

16 Global Campuses

6,000+ Faculty

300,000+ Students Served

UNIVERSITIES IN

- NOIDA
- GURUGRAM
- GREATER NOIDA
- JAIPUR
- LUCKNOW
- MUMBAI
- MOHALI
- GWALIOR
- RAIPUR
- KOLKATA
- RANCHI
- PATNA

INTERNATIONAL CAMPUSES IN

- LONDON
- DUBAI
- SINGAPORE
- NEW YORK
- SAN FRANCISCO
- ABU DHABI
- MAURITIUS
- SHARJAH
- SOUTH AFRICA
- AMSTERDAM
- TASHKENT

ABOUT AMITY UNIVERSITY ONLINE

Amity University Online stands as a pioneering institution in the realm of digital education, breaking down barriers and providing access to millions worldwide.

Through our platform, we are democratising education, ensuring that regardless of geographical location or socio-economic background, individuals have the opportunity to pursue knowledge and skills vital for their personal and professional growth.

Our commitment to inclusivity and innovation drives us forward, as we continue to expand access to high quality education in the digital age.

***Amity University Online**, today, offers the **largest number of approved online degrees** to the **largest number of online students** across India, reflecting Amity's commitment towards empowering our youth through world-class education, who in turn will ensure a **Viksit Bharat**.*

30+
Years of Excellence

500+
Recruiters

89K+
Learners

60+
Programs & Specializations

INDIA'S FIRST UNIVERSITY TO GET **APPROVAL TO OFFER ONLINE DEGREES**

Post the University Grants Commission (Online Courses or Programs) Regulations, 2018

60+ PROGRAMS & SPECIALIZATIONS: Bachelors • Masters

MESSAGE FROM

CHAIRMAN

Mr. Ajit Chauhan

Hon'ble Chairman,
Amity University Online

In today's fast-paced and interconnected world, the pursuit of knowledge has never been more accessible. Amity is committed to providing you with a world-class education that transcends geographical boundaries. Whether you are a working professional seeking to advance your career, a dedicated lifelong learner, or someone taking your first steps into higher education, our digital platform is designed to accommodate your needs and aspirations.

As the landscape of education evolves, so do we. Our esteemed faculty, staff, and state-of-the-art technology are here to support your educational journey. From interactive online programs and courses to digital libraries and academic forums, you'll have access to a wealth of resources that will enhance your learning experience.

At Amity, we're not just preparing you for a career; we're empowering you to make a positive impact on this world. So, whether you're ready to take the next step in your career or explore new horizons, we invite you to join us at Amity University Online and embark on a journey of discovery and growth.

MESSAGE FROM

VICE CHANCELLOR

Prof. (Dr.) Amit Jain

Hon'ble Vice Chancellor,
Amity University, Rajasthan

As the Vice Chancellor of Amity University Rajasthan, I am honoured to welcome learners who have set out to pursue their higher education dreams.

Our online programs are designed to offer you the flexibility to pursue higher education degrees while balancing your personal and professional commitments. Backed by the robust infrastructure and innovative teaching methodologies of Amity University Rajasthan, our online programs ensure that you receive the same quality of education and academic rigour as our on-campus programs.

We believe in fostering an environment that encourages intellectual growth, innovation, and ethical values. Our comprehensive curriculum is designed to equip you with the theoretical knowledge and practical skills needed to excel in your chosen field.

Our mission is to nurture future leaders who are well-prepared to meet the challenges of the corporate world and contribute positively to society. We are committed to supporting you every step of the way as you embark on this educational journey.

ABOUT PROGRAM
MASTER OF SCIENCE IN DATA SCIENCE

LEARNING EFFORTS: 12/15 HRS A WEEK
DURATION: 2 YEARS | **CREDITS:** 118 | **SEMESTERS:** 4

Master of Science (M.Sc) in Data Science is a rigorous 2-year (4 semesters) postgraduate program designed to provide students with in-depth knowledge and practical skills in data analysis, machine learning, and big data technologies. The program focuses on the theoretical and practical aspects of data science, including statistical analysis, data mining, predictive modeling, and data visualization.

Upon successful completion of the program, learners will gain comprehensive expertise in handling large datasets, extracting meaningful insights, and making data-driven decisions. They will develop critical thinking skills to solve complex problems and create innovative solutions using advanced data science techniques. This career-oriented degree provides a robust foundation for professionals aiming to excel in the rapidly growing field of data science.

Graduates can explore career opportunities in roles such as data scientist, data analyst, machine learning engineer, business intelligence analyst, and big data engineer. The program prepares learners to work in diverse sectors, including finance, healthcare, technology, e-commerce, and government, enabling organizations to leverage data for strategic decision-making. Pursuing this program will open doors to a wide range of professional opportunities in the dynamic and evolving field of data science.

PROGRAM **CURRICULUM**

SEMESTER 1

- Probability and Statistical structures
- Programming with Python
- Data Science
- Data Warehousing and Mining
- Professional Communication

SEMESTER 2

- Linear Algebra and Matrices
- Data Science with R
- Data Engineering
- Business Analytics
- Data Visualization
- Cognitive Analytics and Social Skills for Professional

SEMESTER 3

- Optimization Techniques
- Machine Learning and Deep Learning
- Natural Language Processing
- Big Data Analytics
- Artificial Intelligence
- Data Science Product Development
- Big Data & Analytics using R
- Minor Project
- Professional Ethics

SEMESTER 4

- Project Work and Internship

ELIGIBILITY

- Bachelor's degree in any Science discipline.

OUR **ACCREDITATIONS & RECOGNITIONS**

Endorsements of Academic Quality & Excellence

QS ONLINE MBA RANKINGS 2024

INDIA'S ONLY ONLINE MBA RANKED
Asia Pacific Top 10

UGC-entitled degree program

Ranked in Top 100 private universities

Ranked among Top 200 by National Institutional Ranking Framework

Listed in 200-300 rank band

Degree programs approved by All India Council of Technical Education

Member of Association of Indian Universities

A+ grade NAAC Accredited

AMITY UNIVERSITY **ONLINE ADVANTAGES**

Top-Notch Online Learning Experience

Top international Faculty

Lectures delivered by top international faculty offer captivating insights with a global perspective

AI-Professor AMI

AI-PROF. - AMI, powered by Chat-GPT 4 & OpenAI tech for 24/7 doubt clearing & support

Diverse Learning Mediums

Diverse learning options through recorded lectures, audio books, physical books, e-books & more

Industry-Aligned Curriculum

Program curriculum aligned with industry demand for better employability

Interactive Faculty Sessions

Engage in a dynamic learning environment with our continuous faculty interaction and dedicated doubt-clearing sessions

Career Services & Placement Assistance

Career services & placement assistance with 500+ hiring partners ensuring opportunities for professional growth

Remote Proctored Exams

Take exams with ease, integrity and convenience from the comfort of your own space

Dedicated Academic Advisor

Expert guidance by professionals who support you in your academic journey

1:1 Industry Mentorship

Elevate your skills and career prospects with tailored insights, cultivating a pathway to professional success

CAREER **SERVICES**

PREPARING YOU TO
BECOME JOB-READY

Amity University Online is committed to enhance your employability by helping you become industry ready. From skills assessments and resume building workshops to mock interviews and placement drives, we provide a range of services to help you succeed. Our goal is to ensure that you are matched with the perfect job that aligns with your aspirations.

25 LPA+
HIGHEST PACKAGE OFFERED

500+
HIRING RECRUITERS

3000+
JOB OPPORTUNITIES

ON CAMPUS **EXPERIENCE**

EXTENSIVE INTERACTION WITH **FACULTY AND PEERS**

- Campus orientation for new learners in all the Amity University campuses
- Last-minute revision classes at selected Amity University campuses
- Guest lecture series on the campuses
- Access to library and programming labs on the campus
- Exam preparation classes
- Access to campus events

ALUMNI **WORKING AT**

CORPORATE **SPEAK**

"I am delighted to share my positive experience with Amity Online regarding the smooth and efficient conduct of our recent recruitment drive. I must commend the team at Amity Online for their professionalism, dedication, and innovative approach that made the entire process seamless and effective."

LAKSHAY BHOLA
Talent Acquisition Specialist, Prime Infoserv

"It was a great experience interacting with Amity Online students today. The quality of the students was impressive, and their skill set was at par with our expectations. What impressed us most was their ability to manage multiple responsibilities simultaneously. They are ambitious and will only push the bar higher in the coming times."

ABHINAV SINGH
Director, Tamcherry

"The hiring experience was nice as we got splendid support from the faculty to provide us with the talent pool. The career services team was of great assistance in providing us with all the requested details of the candidates and that too in the form that we wanted, which is very much appreciated as it made the process easy for us."

SAKSHAM BHARDWAJ
Senior Executive HR Operations, Cyberstanc

FAQs

1. What is Amity University Online?

Amity University Online is the online learning platform of Amity University, one of India's leading private universities. It offers a wide range of undergraduate, postgraduate, and diploma programs across various disciplines, delivered entirely online.

2. How does online learning with Amity University Online work?

Our online learning platform provides students with access to course materials, lectures, assignments, and discussions through an intuitive and user-friendly interface. Students can engage with their studies at their own pace and convenience, accessing resources from anywhere with an internet connection.

3. What are the admission requirements for Amity University Online programs?

Admission requirements vary depending on the program and level of study. Generally, applicants are required to meet certain academic qualifications and need to submit documents such as transcripts and national identity cards.

4. How are online classes conducted?

Online classes are conducted through live lectures, pre-recorded videos, interactive discussions, and virtual classrooms. Students can participate in real-time or access recordings later, providing flexibility to accommodate various schedules and time zones.

5. Can I interact with faculty and classmates in an online program?

Yes, our online programs encourage interaction and collaboration among students and faculty. You can engage in discussions, ask questions, and seek guidance from instructors and classmates through various online communication channels.

6. What academic support services are available to online students?

Amity University Online offers a range of academic support services to help students succeed, including academic advising and technical support.

7. How are exams and assessments conducted in online programs?

Assessments may vary depending on the course but typically include a combination of quizzes, assignments, and projects. Exams are conducted through a remote online proctoring system and can be taken from anywhere.

8. Can I transfer credits earned from other institutions to Amity University Online programs?

Yes, we accept transfer credits from accredited institutions, subject to evaluation and approval by our admissions team.

9. How do I apply for an online program at Amity University Online?

To apply for an online program, simply visit our website, select the program you're interested in, and follow the application instructions provided.

10. Are student loans available for online students?

Yes, we offer various options, including scholarships, loans, and easy payment plans, to help make education more accessible for our students.

OTHER ONLINE PROGRAMS OFFERED

BCA

BBA

BA

MCA

B.COM

BAJMC

M.COM

MAJMC

MBA

AMITY UNIVERSITY ONLINE

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