Message from Directors

Dr. Priya Mary Mathew
Director, Academics

This is the age of knowledge. And anyone who says “I do not know” at this age, will risk being labelled “outdated”. We at Amity Online Family have pledged to ensure no one faces that dilemma. That’s why you will find Amity University Online going to the depths, the widths, the lengths to ensure we serve as many humans as possible. Choices decide the fruits of your life. Taking up online programs with AUO is a wise decision to widen your opportunities to succeed.

Prof. Abhinash Kumar
Director

Amity University Online provides ‘Anytime, Anywhere’ education experience, intensive corporate interaction, industry-oriented teaching delivered by eminent corporate experts and world-class faculty. Designed to suit both graduate students and working professionals, our programmes adhere to UGC’s stringent criteria and we are at par with the campus programmes.
About Amity University Online

Bringing together pedagogy, content and technology, Amity University Online is home to a range of University Grants Commission (UGC) recognized programmes meant for anytime, anywhere learning. Amity University Online serves the educational aspirations of students across the globe through programmes under Master’s, Bachelor’s, Post Graduate certificates and Certificate programmes through its well-researched curriculum, renowned faculty, cutting-edge technology and close industry-academic partnerships.

The country’s first university to receive the prestigious UGC accreditations for its online programmes, Amity University Online is devoted to creating a transformative learning environment. In today's environment, when content is mobile and available anytime, anywhere, learning is truly a click away.
Amity Education Group is one of the largest education groups, established over twenty years ago, offering globally benchmarked education right from pre-school to Ph.D. level with over 400 UG & PG programmes across various disciplines in education.

- **Students**: 175,000
- **Online Students**: 225,000
- **Faculty**: 6,000+
- **Alumni Worldwide**: 120,000
- **Acres of Campuses**: 1,200
- **Schools & Pre-schools**: 28

- **Universities**: Universities in Noida, Gurugram, Greater Noida, Jaipur, Mohali, Lucknow, Mumbai, Gwalior, Raipur, Kolkata, Ranchi & Patna
- **International Campuses**: International Campuses including London, Dubai, Singapore, New York, San Francisco, Abu Dhabi, Mauritius, Sharjah, South Africa, Amsterdam, Nairobi, Tashkent
About the Programme

MASTER OF COMPUTER APPLICATIONS

Learning Efforts - 12/15 hrs a week | Duration - 2 Years | Credits - 103

Amity University Online Master of Computer Applications (MCA) is a 2-year degree programme that aims to equip graduates with the advanced tools, technologies and applications in the IT industry to meet the constantly growing requirement of IT professionals. The industry-oriented programme helps learners to develop a thorough understanding of various tools and programming languages in the development of better and faster applications.
# Programme Curriculum

## SEMESTER 1

<table>
<thead>
<tr>
<th>Subject Name</th>
<th>Course Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Database Management Systems</td>
<td>Core Courses</td>
</tr>
<tr>
<td>Advanced Software Engineering Principles</td>
<td>Core Courses</td>
</tr>
<tr>
<td>Professional Communication</td>
<td>VAC</td>
</tr>
<tr>
<td>Core Java</td>
<td>Core Courses</td>
</tr>
<tr>
<td>Graph Theory and Combinatorics</td>
<td>Core Courses</td>
</tr>
</tbody>
</table>

## SEMESTER 2

<table>
<thead>
<tr>
<th>Subject Name</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Research Methodology</td>
<td>Core Courses</td>
</tr>
<tr>
<td>Data Structures and Algorithm Design</td>
<td>Core Courses</td>
</tr>
<tr>
<td>Network Security and Cryptography</td>
<td>Core Courses</td>
</tr>
<tr>
<td>Introduction to Data Analytics</td>
<td>Specialisation Elective Courses</td>
</tr>
<tr>
<td>Image Processing Techniques</td>
<td>Specialisation Elective Courses</td>
</tr>
<tr>
<td>Artificial Intelligence and Robotics</td>
<td>Specialisation Elective Courses</td>
</tr>
<tr>
<td>Routing &amp; Switching Essentials</td>
<td>Specialisation Elective Courses</td>
</tr>
<tr>
<td>Statistics Using R</td>
<td>Specialisation Elective Courses</td>
</tr>
<tr>
<td>Cognitive Analytics &amp; Social skills for professional</td>
<td>VAC</td>
</tr>
</tbody>
</table>

## SEMESTER 3

<table>
<thead>
<tr>
<th>Subject Name</th>
<th>Course Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cloud Infrastructure and Services</td>
<td>Core Courses</td>
</tr>
<tr>
<td>UNIX / Linux Programming</td>
<td>Core Courses</td>
</tr>
<tr>
<td>Advanced Web Technologies</td>
<td>Specialisation Elective Courses</td>
</tr>
<tr>
<td>Internet of Everything</td>
<td>Specialisation Elective Courses</td>
</tr>
<tr>
<td>Machine Learning using Python</td>
<td>Specialisation Elective Courses</td>
</tr>
<tr>
<td>Software Testing and Reliability Duplicate</td>
<td>Specialisation Elective Courses</td>
</tr>
<tr>
<td>Professional ethics</td>
<td>VAC</td>
</tr>
<tr>
<td>Seminar(Evaluation)</td>
<td>NTCC</td>
</tr>
<tr>
<td>Quantitative Aptitude</td>
<td>Employability &amp; Skill Enhancement</td>
</tr>
</tbody>
</table>

## SEMESTER 4

<table>
<thead>
<tr>
<th>Subject Name</th>
<th>Course Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Project</td>
<td>NTCC</td>
</tr>
</tbody>
</table>
Our Global Faculty

Asst. Prof. Brian Porter
MSc. Management - Boston University,
Online Facilitator - Boston University,
Adjunct Professor - Nicholas College,
Vice President of Strategic Partnerships at MGCG

Prof. Luke Pearce
M.A. in Education, University of Sheffield,
PGCE from Sheffield Hallam University,
Teaching fellow - University College London

Prof. (Dr.) Ronald C Darnell
PhD, Organization Management - IT Management,
Capella University, USA,
Professor and Program Coordinator -
Amberton University,
Visiting Professor – DeVry, University,
Professor - Parker University,
Principal Consultant & Agile Coach- Vizient, Inc.

Prof. (Dr.) Julia Fallon
MBA from Cardiff University and PhD from the
University of Wales, UK,
Principal Lecturer, at Cardiff Metropolitan University, UK

Prof. Mike Berry
MSc. in Math and Economics -
Imperial College London,
Professor (Marketing) at
Hult International Business School, UK
Eligibility

- 10th Class Certificate (Completing 10 years of formal schooling)
- 12th Class Certificate (Completing 12 years of formal schooling)
- Graduation Degree (BCA is preferable)*

* Students without Mathematics at 10+2 or graduation, can also apply after qualifying the Bridge course.

Accredited. Respected. Trusted.

Amity’s Online MBA has been ranked by QS as #37 Worldwide in 2021 ranking.

Amity’s Online MBA & BBA are the 1st and only EOCCS certified programmes in India

TESTIMONIAL

“I joined Amity University in the year 2010 for pursuing BCA programme. Based on my great learning experience, I decided to pursue an MCA programme in the same college, even though I scored top rank in the merit list and was qualified to get admissions in other Govt. colleges also. I am proud to say that I took the right decision.”

Ashok Kumar Sharma
Automatic Engineer at Desment Ballsera
Amity University Online Advantage

- Live & Interactive Lectures by Expert Faculties
- World-class curriculum designed by eminent faculty and industry professionals
- Regular webinars by industry leaders
- International collaborations with Ivy League universities
- Strong alumni network

- Web Proctored Mode for the freedom to take exams anywhere
- Learn from the leading global faculties
- Virtual job fairs and career assistance
- Easy-to-use LMS accessible anytime, anywhere
- Exemplary employer rating of various programmes
Industry Mentors

Ms. Alka Choudhary  
Ph.D Computer Science and Engineering

Prof. Deepak Kumar  
Ph.D Software Reliability  
University of Delhi

Prof. Sapna Sinha  
Ph.D Computer Science

Asst. Prof. Anil Kumar Sajnani  
M.Tech Computer Science  
Birla Institute of Technology
Alumni Working At

- IBM
- Wipro
- The Times of India
- Samsung
- Nokia
- Paytm
- KPMG
- MetLife
- Justdial
- Google
- Apollo Hospitals
- American Express
- SBI Life Insurance
- Microsoft
- HDFC