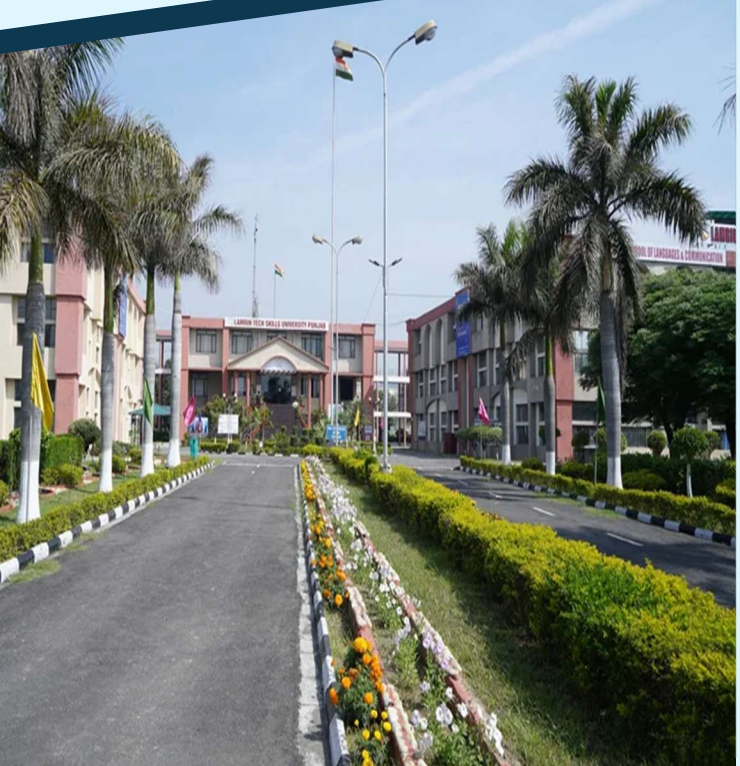
"From syntax errors to high-level system design. We don't just use technology; we shape its future. A Master's degree in hand, and a digital world to build. "



Shape the Future with Masters in Computing

"Master of Computer Applications: Turning complex algorithms into seamless solutions."

Address- Lamrin Tech Skills University Punjab

Chandigarh- Jalandhar National Highway (NH344A)

Postal Code-144533

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Contact us- +91 98554 28846, +91 83602 50986

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Email- office.usoc@ltsu.ac.in

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Website- https://www.ltsu.ac.in/university-school-of-computing



Lamrin Tech Skills University Punjab

MCA

Study Scheme

University School of Computing

Batch 2025 & 2026

Contact Here for admission-
+91 98554 28846, +91 83602 50986

OBJECTIVES

- **Theoretical Understanding**: Develop a deep understanding of advanced computing concepts, algorithms, data structures, and software engineering principles.
- **Practical Skills**: Gain hands-on experience with modern programming languages, tools, and technologies.
- **Team Collaboration**: Develop skills for working effectively in teams, managing projects, and communicating technical information.
- **Internships and Projects**: Engage in real-world projects and internships to gain practical experience and understand industry requirements.
- **Professionalism**: Develop a strong sense of professionalism, including effective communication skills and adherence to industry standards.

Course Curriculum Overview: Year I

This Master of Computer Applications (MCA) curriculum is designed to bridge the gap between core computer science theory and practical industry applications. The first year focuses heavily on building a solid foundation in programming, data architecture, web systems, and professional readiness.

The first semester focuses on establishing strong computational logic, understanding underlying systems, and mastering data management.

The second semester shifts toward optimization, web deployment, real-world projects, and career readiness.

"Bridging the gap between theory and code."

Semester- I

- Problem solving using Python Programming & Lab
- Operating Systems (Linux Windows)
- Database Management Systems & Lab
- Advanced Data Handling in Spreadsheets
- Software Engineering
- Elective Module-Course I
- Certification-I (1Z0-808)

Semester- II

- ECOMMERCE
- Operation Research
- Data structures Algorithms using Python & Lab
- Web Technologies & lab
- Employability Skills
- Minor Project
- Elective Module-Course II
- Certification-II (AZ-305)



INDUSTRY & SKILLING PARTNERS

Course Curriculum Overview: Year II

The second year of the MCA curriculum shifts its focus entirely away from traditional classroom lectures and transitions into professional execution, industry immersion, and research. This phase is designed to transform students from academic learners into industry-ready software professionals and researchers.

The third semester focuses on aligning technical capabilities with corporate expectations, workplace ethics, and real-world project execution.

The final semester is dedicated to academic validation, public presentation, and the ultimate deployment of production-ready software.



Semester- III

- Professional Ethics-MOOC
- Career-Ready Verbal and Aptitude Skills
- Capstone Project-I
- OJT/ Industry Internship

Semester- IV

- Research Methodology - MOOC
- Seminar (PPT & Project Report)
- OJT/Final Project Deployment

