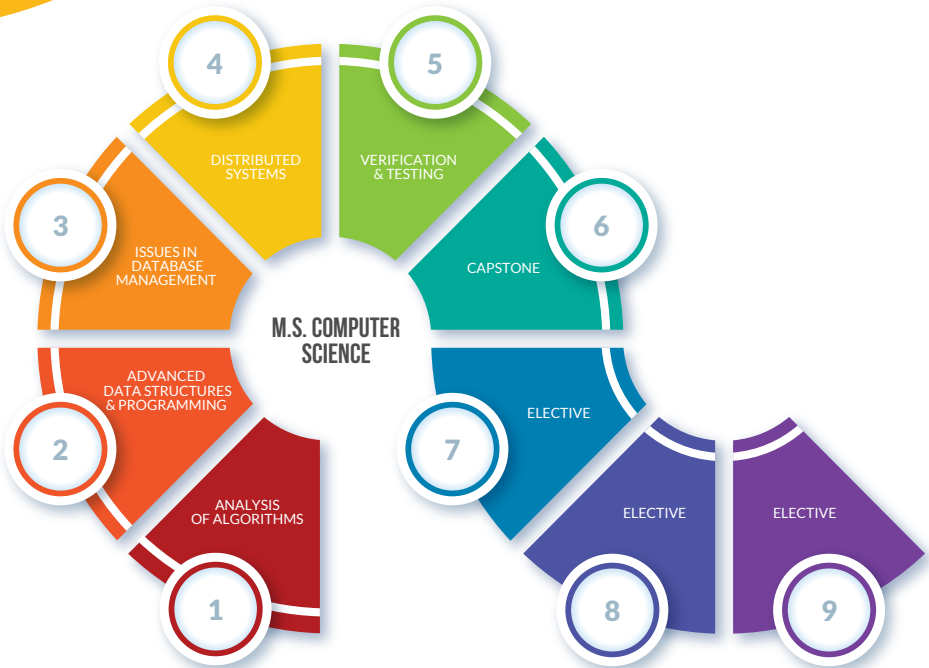# FRANKLIN UNIVERSITY

M.S. Computer Science

Program Fee
$24,120
36 credits

M.S. Computer Science

Franklin's M.S. in Computer Science program provides the expertise necessary to take on the technology challenges facing business.

Students will learn to interface with organizational stakeholders and translate an evolving set of needs into high-level systems requirements.

M.S. COMPUTER SCIENCE

4 — DISTRIBUTED SYSTEMS
5 — VERIFICATION & TESTING
3 — ISSUES IN DATABASE MANAGEMENT
6 — CAPSTONE
2 — ADVANCED DATA STRUCTURES & PROGRAMMING
1 — ANALYSIS OF ALGORITHMS
7 — ELECTIVE
8 — ELECTIVE
9 — ELECTIVE

GRADUATE IN 20 MONTHS

HANDS-ON CURRICULUM

INDUSTRY RECOGNIZED

For admissions:
admissions.franklin@leedsmanagementservices.com

LEEDS Management Services is exclusive representative of Franklin University (Asia Pacific)

LEEDS
MANAGEMENT SERVICES

M.S. in Computer Science

PROGRAM DETAILS

Nothing changes faster than technology. It drives our world and builds our future. The shift to technology reliance requires experienced, effective and proactive technologists who can make a positive impact in the world. Franklin's M.S. in Computer Science (MSCS) program is for those who want to be a part of technology's future and shape its direction.

The program is designed for experienced programmers or IT specialists who want to move into senior roles and take on advanced responsibilities. You will develop expertise in advanced computer science topics and turn complex specifications into well-designed programs.

In as few as 20 months, you can differentiate yourself from other computer science professionals with hands-on experience in high-level theories and complex technological strategies. And with a choice of contemporary electives such as data analytics and cybersecurity, the MSCS can position you as leader in the future of technology.

DEEPEN YOUR SKILLS IN SOFTWARE DESIGN AND DEVELOPMENT WITH HANDS-ON COURSEWORK

Franklin's MSCS program will teach you to interface with organizational stakeholders and translate an evolving set of needs into high-level systems requirements. You'll learn how to integrate new systems within the broader hardware and software environment, too, as well as implement the solution with the agile software engineering process.

Through our practical, hands-on coursework you'll gain experience with leading implementation tools and cutting-edge software analysis. And you'll be introduced to other critically needed skills, such as algorithm analysis, distributed systems, verification and testing, and database design.

EARN A HIGH-QUALITY, COMPREHENSIVE MASTER'S IN COMPUTER SCIENCE 100% ONLINE

At Franklin, you'll get the convenience and flexibility of a quality online education, expert instructors who have relevant and real-world experience, and strong student support from dedicated faculty, tutors and advisors.

As you progress through the program, you'll get the expertise you need to take on the technology challenges facing business. The capstone project gives you an opportunity to integrate and synthesize the skills and knowledge you gained throughout the program. Whether you're looking to advance your career to a senior level or work with a larger organization with more sophisticated needs, Franklin's reputation will prepare you for your next move.

COMPUTER SCIENCE (M.S. IN COMPUTER SCIENCE REQUIREMENTS)

36 Semester Hours

Earn your M.S. in Computer Science by taking 12-week courses. The program is comprised of six required core courses and three elective courses. Choose from three start dates each year.

Core Courses
COMP 620 - Analysis of Algorithms
COMP 630 - Issues in Database Management
COMP 645 - Object-Oriented Design & Practice
COMP 655 - Distributed Systems
COMP 671 - Verification and Testing
COMP 691 - Capstone

Optional Focus Area-Cybersecurity
ISEC 610 - Information Assurance
ISEC 620 - Software and App Security
ISEC 640 - Cryptography

Optional Focus Area-Data Analytics
MATH 601 - Introduction to Analytics
DATA 605 - Data Visualization & Reporting
DATA 611 - Applied Machine Learning

General
Choose 3 courses (12 credit hours) from all elective options

Corequisite Courses
COMP 501 - Foundations of Programming (4)
COMP 511 - Foundation Data Structure &
                    Object-Oriented Design (4)
MATH 503 - Foundations of Mathematics
                    for Computing (4)

Complete the above courses or the equivalent from an accredited school with a grade of C or better.

Be sure to check the current Academic Catalog to ensure you're using the most accurate degree requirements.

FEATURES & BENEFITS

- Hands-on curriculum
- 12-week courses
- Finish in 20 months
- Optional focus areas in Cybersecurity and Data Analytics

Entry Requirements

Academic Requirements:
Must have completed valid bachelor's degree with 2.75 GPA (4 scale)

English Requirements:
Prospective students must demonstrate proÿciency in the English language for academic purposes with a test date no more than two years old. Minimum scores are listed below:
Duolingo english test: Score of 110
TOEFL score of 550 (paper-based),
79 (Internet-based)
IELTS (Overall band 6.5 with no band less than 6.0)

More Information

M.S. in Computer Science:
franklin.edu/degrees/masters/computer-science

College of Arts, Science & Technology:
franklin.edu/cast

FRANKLIN UNIVERSITY

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