

Florida University of Business and Technology

GRADUATE PROGRAM

MSCS

MASTER'S DEGREE · 100% ONLINE

Master of Science in Computer Science

Advance your knowledge of algorithms, machine learning, and responsible artificial intelligence through specialized coursework and research.

36	9–12	10	100%
Credit hours	Months full-time	Courses + thesis	Online, asynchronous

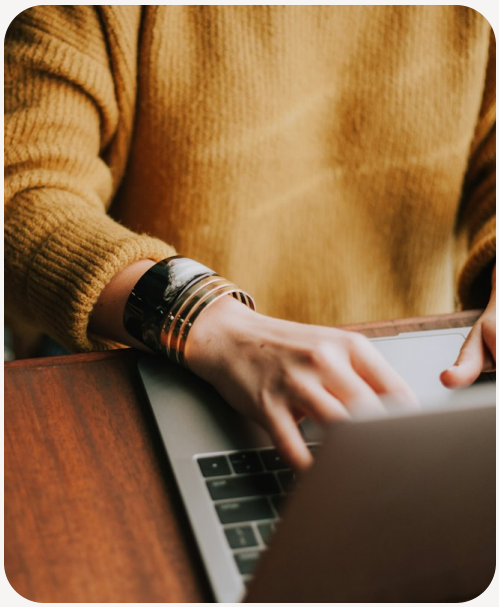
fubt.us/programs/mscs

+1 (407) 758-0247 · info@fubt.us

THE PROGRAM

Advanced computing, grounded in research

The MSCS program is designed for students seeking advanced knowledge in computer science, software engineering, artificial intelligence, cybersecurity, and emerging technologies. The curriculum combines theoretical foundations with practical applications to prepare graduates for leadership and technical roles in the technology sector.



36
Total credit hours

9–12
Months full-time, or up to 18 months part-time

100%
Online and asynchronous — study on your schedule

$250
Tuition per credit hour

How your 36 credits break down

COURSES + THESIS

- **Courses**
  30 credits · 10 courses
- **Thesis**
  6 credits

What you'll gain

- Algorithm design and computational complexity analysis
- Machine learning and deep learning model development
- Database systems and big data management
- AI ethics and responsible technology development
- Distributed systems and cloud architecture
- Network security, cryptography, and secure system design
- Software engineering best practices and DevOps
- Academic research design and scholarly writing

CURRICULUM

Two stages, 36 credit hours

Build advanced mastery across the major pillars of computer science — including a dedicated research gateway course — then make an original contribution to the discipline through your master's thesis.

01 Computer science courses

30 CREDITS · 10 COURSES

COS 600
Advanced Algorithms & Complexity

COS 601
Advanced Computer Architecture

COS 602
Operating Systems & Distributed Computing

COS 603
Database Systems & Big Data Management

COS 604
Software Engineering & Design Patterns

COS 605
Computer Networks & Security Fundamentals

RES 900
Research Methods
Research gateway — required before the thesis

COS 607
Machine Learning Theory & Applications

COS 608
Deep Learning & Neural Networks

COS 609
AI Ethics, Fairness & Governance

The Master's Thesis is a mandatory degree requirement for all MSCS students and is the culminating scholarly experience of the program. The thesis demonstrates the student's capacity for independent research, original contribution to the discipline, and professional scholarly communication.

02 Master's Thesis

6 CREDITS · COS 610

STEP 1
Formulate a research question

STEP 2
Conduct a systematic literature review

STEP 3
Select appropriate methodologies

STEP 4
Produce an original contribution

STEP 5
Document and present your findings

ADMISSIONS

Start in Fall, Spring, or Summer

Three 16-week semesters a year — enroll at the beginning of any one.

Who can apply

Applicants hold a US-equivalent bachelor's degree from an accredited college or university, or equivalent recognition.

Documents you'll need

- A valid government-issued photo ID, such as a passport or driver's license
- Official transcripts from the college or university that awarded your degree
- A current résumé
- A certified English translation of any document not issued in English
- A credential evaluation of any degree earned outside the US

How to apply

1. **Choose your program**
   Review the degree requirements and prepare your supporting documents.
2. **Complete your application**
   Submit it with the non-refundable $150 fee, payable by check, money order, or credit card.
3. **Submit your documents**
   Your admissions advisor will follow up on anything outstanding.
4. **Receive your decision**
   FUBT emails your decision and next steps. Register by email or in person during the registration period.

$250 per credit hour

$150 application fee

Scholarships available

Talk to Admissions

Questions about the MSCS, your documents, or scholarships? Our admissions team will help.

Apply at fubt.us/admissions

+1 (407) 758-0247

info@fubt.us

fubt.us/programs/mscs

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Monday–Friday · 8:30 AM–4:30 PM ET

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