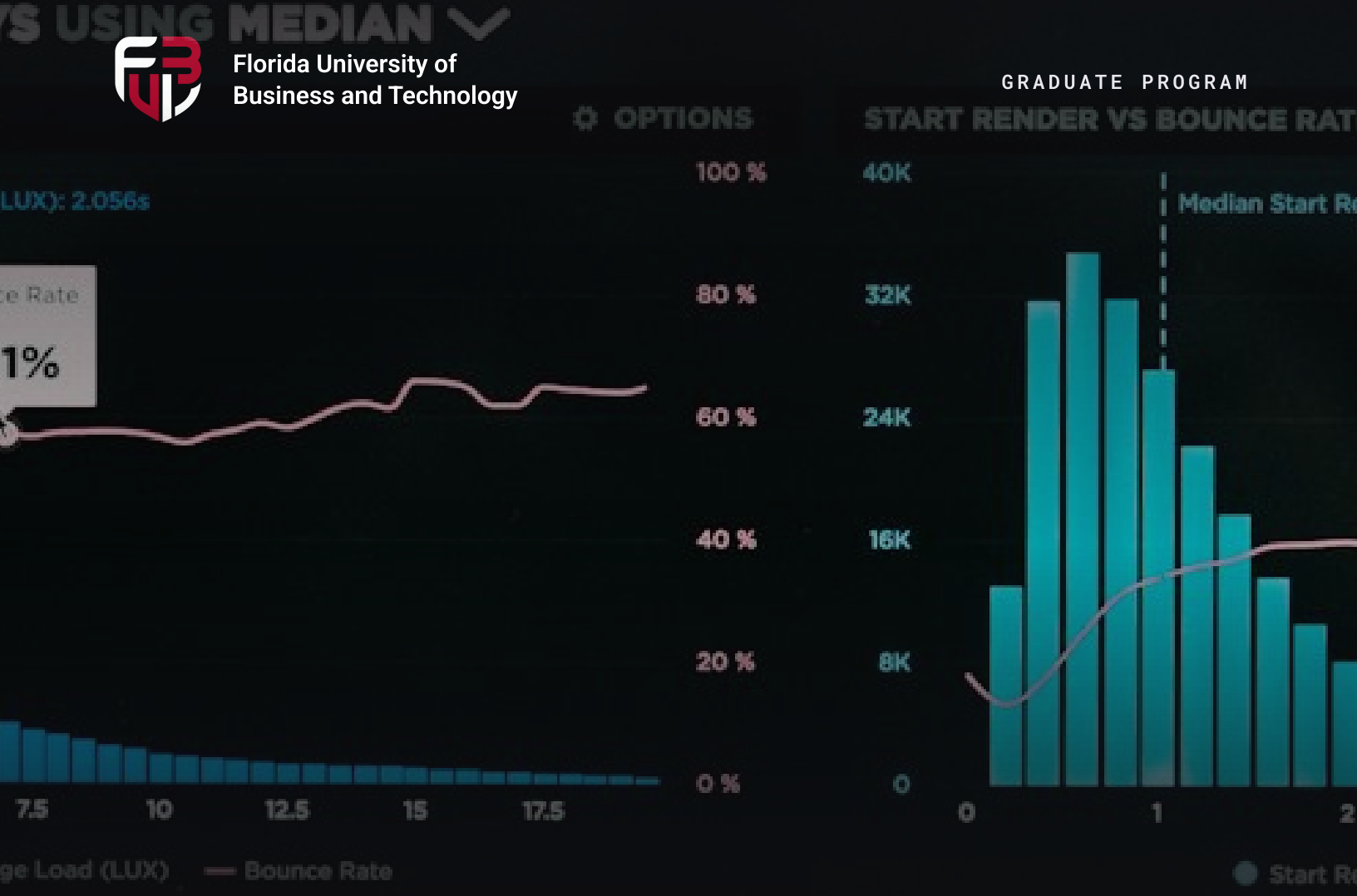
Florida University of
Business and Technology

GRADUATE PROGRAM



MSDS MASTER'S DEGREE · 100% ONLINE

Master of Science in Data Science

Transform raw data into strategic intelligence that drives decisions.

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

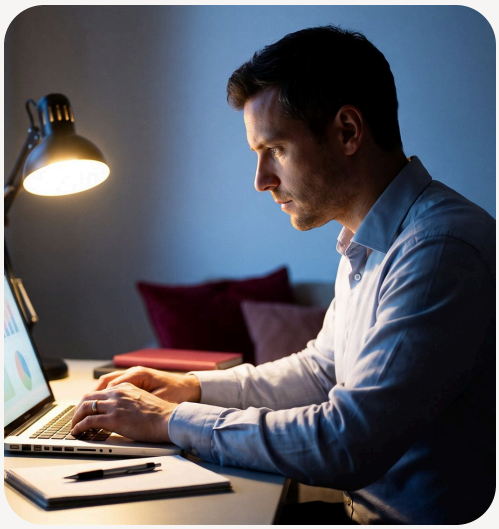
fubt.us/programs/msds

+1 (407) 758-0247 · info@fubt.us

THE PROGRAM

Turn data into decisions that matter

The MSDS program equips students with the technical and analytical skills required to transform data into actionable insights. Students develop expertise in data analytics, machine learning, artificial intelligence, statistical computing, and data visualization.



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

- Python and R programming for data analysis and modeling
- Artificial intelligence foundations, reasoning, and NLP
- Exploratory data analysis and feature engineering
- Data visualization, dashboards, and data storytelling
- Machine learning model design, evaluation, and tuning
- Database systems and big data management
- Statistical computing and reproducible research
- Research methods and academic writing for data science

CURRICULUM

Two stages, 36 credit hours

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

01 Data science courses

30 CREDITS · 10 COURSES

COS 605
Computer Networks & Security Fundamentals

COS 604
Software Engineering & Design Patterns

DAS 700
Python Programming for Data Science

DAS 701
Artificial Intelligence

DAS 702
Machine Learning

COS 603
Database Systems & Big Data Management

DAS 704
Exploratory Data Analysis

DAS 705
R Programming for Statistical Computing

DAS 706
Data Analysis and Visualization

RES 900
Research Methods
Research gateway — required before the thesis

The Master's Thesis is a mandatory degree requirement for all MSDS 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 · DAS 707

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 MSDS, your documents, or scholarships? Our admissions team will help.

Apply at fubt.us/admissions

+1 (407) 758-0247

info@fubt.us

fubt.us/programs/msds

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Monday–Friday · 8:30 AM–4:30 PM ET

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