THE COMPETITIVE ADVANTAGE DEGREE

PART-TIME
MASTERS OF SCIENCE IN ANALYTICS
HOUSTON OR VIA LIVE VIDEO
Interested in capitalizing on an innovative dual opportunity for you and your employer in today’s data-driven world?

OUR UNIQUE PROGRAM REVOLVES AROUND A WORK-BASED CAPSTONE PROJECT WHERE STUDENTS APPLY WHAT THEY HAVE LEARNED IN ORDER TO SOLVE A BUSINESS PROBLEM WITHIN THEIR ORGANIZATION.
REAL-WORLD IMPACT
Become a Thought Leader

Texas A&M's Masters of Science in Analytics program is geared toward working professionals with strong quantitative abilities who are interested in forging expertise with a powerful hybrid of the most sought-after skills in every industry — statistics, technological expertise, and business analysis. The multidisciplinary coursework (75 percent statistics, 25 percent business with a capstone project) provides comprehensive, balanced training in statistical modeling and predictive analytics to create data scientists who will be thought leaders and innovators.

"The depth and analysis of this course gives me an edge that many do not possess even after working on the subject for some time."

Real-World Expertise
Statistics
Technology
Power Hybrid
Business
BIG DATA SOLUTIONS

According to a 2011 report by global management and consulting firm McKinsey & Company, the United States faces a shortage of between 140,000 and 190,000 people with the deep analytical skills necessary to make sense of big data, loosely defined as data sets whose size puts them beyond the capability of typical database software tools to capture and analyze.

This shortfall impacts virtually every field from retail to healthcare and increasingly plays a larger role in a globally connected, technology reliant world with applications ranging from the autocorrect feature on smartphones to software programs that decipher nationwide flu patterns.

Got data too big to analyze with typical software?

75% 25% 1
Statistical Modeling Business Analysis Capstone Project

BRING MEANING TO YOUR DATA!

71% of data management professionals admitted that they “have yet to begin planning” their big data strategies.

SOURCE: International Institute for Analytics Research Study Big Data in Big Companies, May 2013
INNOVATIVE CURRICULUM

Our program is taught Tuesday and Thursday evenings in-person at Houston’s CITYCENTRE (I-10 & Beltway 8).

We also offer the degree at a distance via live video stream for individuals outside of a 50-mile radius of Houston throughout North America (USA, Mexico, Canada). Live video participants will interact with students and faculty in Houston and are required to appear in-person twice: a 3-day orientation in Week 0 and in their final semester to present their capstone project.

Our goal is to replicate the classroom experience, even if you are not in Houston.

In addition to giving students the ability to join live classes via video, we record each class. The flexible delivery ensures you won’t miss any material in the event you are unable to make it to class or have to travel for work.

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Y2 Unique Corporate Solutions

| COURSEWORK | APP |
| --- |
| Elective 1 |  |
| Elective 2 |  |

ORIENTATION

Y1 Foundations of Analytics

COURSEWORK
- Regression Analysis
- Business Data Base Systems
- Methods in Multivariate Analysis
- Marketing Engineering
- Applied Analytics Using SAS
- Enterprise Miner
- Financial Accounting

PRACTICUM
- Unique Corporate Solutions

DIRECTED STUDIES
- Elective 1
- Elective 2

CAPSTONE PROJECT PRESENTATION

OUR STUDENTS

11.5 AVERAGE YEARS WORK EXPERIENCE

48% business
26% engineering
19% science
7% liberal arts

GENDER BREAKDOWN

67% male
33% female

Masters in Analytics | 9
analytics.stat.tamu.edu
The total cost of a Masters in Analytics degree is $50,000 ($10,000 per semester), which includes tuition, required fees, books, supplies, hotel and meals during orientation, and a laptop preloaded with all necessary software. No assistantships or scholarships are available at this time. Given the value added to your organization through the unique work-based project, we strongly suggest that enrollees request sponsorship from their employer for the degree. Enrollees also may apply for financial aid (including grants and student loans) and veterans’ benefits via the FAFSA. More information is available at https://financialaid.tamu.edu/.

In the nation by Smart Money in “payback ratio” — what graduates earn compared to the cost of their college educations.

Median base salaries for non-management workers in big data. SOURCE: Burtch Works Study, July 2013

Of our students received financial support from their employers.

As the third-largest Statistics department in the U.S., we have a history and tradition of graduate education in statistics dating back to 1963.
THE MOST ADVANCED SKILL SET

After training two years with some of the best professionals in analytics and business, our students possess a plethora of unique and highly coveted skills, including:

- **Business acumen** to make the right business decisions
- **Deep analytical skills**, such as market analysis, predictive modeling, web analytics, risk analysis, and forecasting
- **Technical expertise**, such as programming, data warehousing and mining, and visualization
- **Soft skills**, such as teamwork, communication, and presentation abilities

WHO’S PARTICIPATING?*

Just a few of the industries that have current students enrolled.

*BASING ON PRELIMINARY ADMITS FROM FALL 2015 COHORT

MANUFACTURING INDUSTRY
"Dr. Sheather is an exceptional professor, mentor, and person. He is, hands down, the best professor I have ever had."

Dr. Simon Sheather
Academic Director

Simon brings a wide scope of experience in both management and the integration of analytics into organizations and businesses. He received his BSc (Hons) degree from Melbourne and a Ph.D. in Statistics from La Trobe. Currently Simon is Professor and Academic Director of MS Analytics & MS Statistics Online Programs the Department of Statistics at Texas A&M University. Previously he was a faculty member at the Australian Graduate School of Management at the University of New South Wales. Simon has 20+ years of experience applying analytics and statistical methods in business. His clients have included financial institutions, health care, energy, hospitality, service companies and real estate. During this time he published over 75 papers and 2 books. From 2001-2013, he was listed on the ISIHighlyCited.com website among the top one-half of one percent of all mathematical scientists for citations of published work.

FULL FACULTY SUPPORT

Making connections is as important with people as it is with data points.

All program content is delivered by Texas A&M Statistics and Mays Business School faculty using a novel mix of live-video distance education and traditional face-to-face in-class instruction within Mays’ new custom educational facility at CITYCENTRE in Houston.

Students benefit from individual quantitative analysis projects specific to their employers, resulting in real-world skills. In addition, team projects focus on a challenging mix of general classroom scenarios and large data sets provided by actual companies in exchange for the opportunity to propose questions they want answered by consultants on the cutting-edge crossroads of competitive industry and informed analysis.

EXCERPTS FROM CLASS OF 2015

FIRST SEMESTER EVALUATIONS

Texas A&M’s program gives me the curriculum I’m looking for, the flexibility to participate remotely and a top-notch staff of seasoned professors with loads of practical experience beyond the university.

I have the opportunity to take what I learn in class and apply to my work every day.

The extensive work focused on team dynamics and conflict management has allowed me to avoid the all-too-common dysfunction of teams.

Topics were always interesting and engaging.

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TO APPLY

Admission to the Texas A&M Masters in Analytics program is highly competitive. Strong candidates must meet the following criteria and qualifications:

**Grades**
Competitive undergraduate or graduate GPA or strong GRE/GMAT scores

**Statistics Competency**
Completed at least one statistics course with an A or B

**Work Experience**
At minimum 3 years of full-time work experience

**Purpose**
A well-written statement of purpose about how this analytics degree will help your organization

**Organizational Support**
Support from current employer for access and mentorship with a business problem and large data set
REQUIRED APPLICATION MATERIALS

- Completed pre-questionnaire (http://analytics.stat.tamu.edu/#contact)
- 3 letters of recommendation or 3 recommendation forms (http://www.stat.tamu.edu/dist/Graduate_Letter_of_Rec.pdf)
- Unofficial GRE/GMAT scores if available (may be waived after transcript review)
- Unofficial college transcripts
- Current resumé

Once your complete information is reviewed by a committee, you will receive additional instructions regarding the official application process, should you progress to this stage.

Prior to final admission, all candidates will be required to interview.

More information can be found at http://analytics.stat.tamu.edu/.

"Material was new, relevant, engaging, and exactly what I was hoping to learn in beginning this program."

ANONYMOUS COURSE REVIEW BY CLASS OF ’15 STUDENT
 contacting us

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