As businesses and companies around the world continue to grapple with making sound decisions regarding growing volumes of data—often referred to as "Big Data"—TLU offers a Master of Science in Data Analytics to prepare students for new careers in managing and analyzing data.

**ABOUT THE DEGREE:**

TLU’s Master of Science in Data Analytics is designed to enhance the skill set of students from a variety of different undergraduate majors to understand the collection, organization, and analysis of large data sets. While the two specializations share a common core, the business analytics specialization is more applied with hands-on projects and a practicum, whereas the technology and computational specialization is designed to give students specific mathematical, programming, and information systems skills to support data-driven decisions.

The master’s degree is designed as a concurrent program with a bachelor’s degree. A Bachelor of Business (any specialization) + the master’s degree or a Bachelor of Science in Math, Computer Science or Information Systems + the master’s degree can be completed in five years. Individuals who already hold a bachelor’s degree can apply directly to the graduate program.

**THE CURRICULUM**

Students select a specialization but have the opportunity to take courses from the other specialization as electives. The core classes focus on foundational analytical knowledge and application of that knowledge with technology. Each specialization includes a three-hour practicum, internship, or capstone project.

**CORE COURSES (15 HOURS):**
- Data Visualization and Communication (Business)
- Advanced Statistical Methods I (Math)
- Advanced Statistical Methods II (Math)
- Data Mining (CS/IS)
- Operations Research (Business)

Required undergraduate courses: STAT 374, MATH 136 or MATH 241, BUSI 338, ISYS 231, ISYS 232. These courses are minimum undergraduate requirements for the core and majority of specialization courses. Additional undergraduate courses may be required for the individual specializations.

**BUSINESS ANALYTICS CURRICULUM (15 HOURS):**

Take nine hours from the following courses:
- Marketing Analytics
- Financial Analytics
- Advanced Econometrics
- Statistical Process Control/Six Sigma
- Enterprise Resource Planning (ERP)
- Project Management

Required (6 hours):
- Practicum, internship, or capstone (3 hrs.)
- One course from either specialization as an elective (3 hrs.)

**TECHNOLOGY & COMPUTATION CURRICULUM (15 HOURS):**

Take nine hours from the following courses:
- Bayesian Statistics
- Mathematical Statistics
- Computational Methods and Approximations
- Data Analysis with R
- Database Design
- Information Security
- Advanced Data Mining

Required (6 hours):
- Capstone project, internship, or thesis (3 hrs.)
- One course from either specialization as an elective (3 hrs.)

For more information about the Master of Science in Data Analytics and how to apply, contact the TLU Office of Admissions at admissions@tlu.edu or 830-372-8050. For more information about TLU, visit tlu.edu.
The master’s degree is designed as a concurrent program with a bachelor’s degree, but individuals who already hold a bachelor’s degree can apply directly to the graduate program.

**WHAT IS A CONCURRENT DEGREE?**

A concurrent degree allows students to earn both an undergraduate and graduate degree in five years, perhaps requiring summer school in order for students to complete the degree within that time frame. The concurrent nature of the degree allows students to begin taking graduate classes during his or her senior year at TLU.

### CONCURRENT DEGREE PROGRAM

<table>
<thead>
<tr>
<th>STUDENT</th>
<th>FALL</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>JUNIOR</td>
<td>At the end of the fall semester of the junior year, a student may apply to the graduate program.</td>
<td>Admission occurs. Student remains enrolled in undergraduate classes.</td>
</tr>
<tr>
<td>SENIOR</td>
<td>Student may take 1-2 graduate classes, depending on schedule and undergraduate degree plan.</td>
<td>Student may take 1-2 graduate classes, depending on schedule and undergraduate degree plan.</td>
</tr>
<tr>
<td>GRADUATE</td>
<td>Student takes 3-4 graduate classes, depending on degree plan.</td>
<td>Student takes 3-4 graduate classes, depending on degree plan.</td>
</tr>
<tr>
<td></td>
<td>Student completes internship, practicum, or capstone project, depending on selected track.</td>
<td></td>
</tr>
</tbody>
</table>

**WHAT IF I WANT TO APPLY AS A GRADUATE STUDENT?**

Students who hold a bachelor’s degree from TLU or another accredited institution should meet with an Admissions Representative for information on the application and admissions process.

### GRADUATE PROGRAM

<table>
<thead>
<tr>
<th>STUDENT</th>
<th>FALL</th>
<th>SPRING</th>
<th>SUMMER</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRADUATE</td>
<td>Student takes 4-5 graduate classes, depending on degree plan.</td>
<td>Student takes 4-5 graduate classes, depending on degree plan.</td>
<td>Student completes internship, practicum, or capstone project, depending on selected track.</td>
</tr>
</tbody>
</table>

**APPLYING TO TLU**

You can use the Common Application - available August 1 - or Apply Texas Application - available July 1 - to apply to TLU.

Along with your application for admission, you will need to submit the following:

- **Personal essay.** You can use the essay prompts on the Common Application or Apply Texas or submit your own essay or graded writing sample. Please take the time to write an essay with at least 500 words.
- **Official transcript** sent directly from your high school with current class ranking and cumulative GPA

- **Official SAT/ACT test scores.** Transfer applicants are not required to submit scores if they have more than 15 transferable hours
- **Recommendation letters** are not required but are encouraged

**Application Deadlines**

- Early Action – Apply by Nov. 15
- Regular Decision – Apply by Feb. 1
- Late Decision – Apply after Feb. 1

**Questions or Want to Schedule a Visit?**

Contact the TLU Admissions office at admissions@tlu.edu or 830-372-8050 or schedule your personalized visit at tlu.edu/visit.