# Bachelor of Science in Statistics

**A Suggested Sequence of Required Courses for a Tarrant County transfer student (2015-2016 Catalog)**

<table>
<thead>
<tr>
<th></th>
<th>Freshman Year</th>
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<th>Sophomore Year</th>
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<tr>
<td></td>
<td>Fall</td>
<td></td>
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<td>Spring</td>
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<tr>
<td>Tarrant County</td>
<td>BU</td>
<td>Title</td>
<td>Hours</td>
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<tr>
<td>ENGL 1301</td>
<td>ENG 1302</td>
<td>Thinking and Writing</td>
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<td>ENG 1304</td>
<td>Thinking, Writing, &amp; Research</td>
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<tr>
<td>REL 1310</td>
<td>Christian Scriptures</td>
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<td>REL 1350</td>
<td>Christian Heritage</td>
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<tr>
<td>MATH 2413 or 2513</td>
<td>MTH 1321</td>
<td>Calculus I</td>
<td>3</td>
<td>See reverse</td>
<td>MTH 1322</td>
<td>Calculus II</td>
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<tr>
<td>See reverse</td>
<td>Foreign Language</td>
<td>4</td>
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<td>STA 1301</td>
<td>Statistical Reasoning</td>
<td>3</td>
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<tr>
<td>STA 1301</td>
<td>Statistical Reasoning</td>
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<td>STA 2381</td>
<td>Introductory Statistical Methods</td>
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|               |               |               |               |               |               |
| Tarrant County|               | BU            | Title         | Tarrant County|               | BU            | Title         | Hours         |
|               |               | Chapel        | 0             |               |               | Chapel        | 0             |
| See reverse   | History/Social Science | 3            | See reverse   | History/Social Science | 3            |
| See reverse   | Foreign Language | 3            | See reverse   | Foreign Language | 3            |
| See reverse   | Lab Science    | 4             | See reverse   | Lab Science    | 4             |
| See reverse   | Lifetime Fitness | 1            | See reverse   | Lifetime Fitness | 1            |
| MATH 2315     | MTH 2321      | Calculus III  | 3             | MATH 2318     | MTH 2311     | Linear Algebra | 3            |
| STA 3381      | Probability & Statistics | 3            | STA 4382      | Intermediate Statistical Methods | 3            |
|               |               |               | 17            |               |               |               |

|               | Junior Year |               |               |               |               |
| Tarrant County|               | BU            | Title         | Tarrant County|               | BU            | Title         | Hours         |
| ENGL 2322     | ENG 2301     | British Literature | 3            | ENGL 2327, ENGL 2304 | 2328, 2332, or 2306 | 3            |
| Elective      | 3             |                |               |                | American or World Literature | 3            |
| CSI 1430      | Intro to Computer Science w/Lab | 4           | See reverse   |                | PSC 2302 American Constitutional Development | 3            |
| STA 4385      | Mathematical Statistics I | 3            | STA 4386      | Mathematical Statistics II | 3            |
|               | 3             |                | 4000-Level Statistics Course | 3            |
|               | 16            |                |               |               |               |

|               | Senior Year |               |               |               |               |
| Tarrant County|               | BU            | Title         | Tarrant County|               | BU            | Title         | Hours         |
|               | Fall        |               |               | Spring        |               |               |
|               | Fall        |               |               |               |               |
| 4000-Level Statistics Course | 3            | See reverse   | Lifetime Fitness | 1            |
| Advanced Elective | 3            | Advanced Elective | 3            |
| Elective      | 3             |                | Advanced Elective | 3            |
| Elective      | 3             |                | Elective      | 3             |
|               | 16            |                |               |               |

**Notes about major requirements:**

- Lab science (8 hours): One course and lab from: BIO 1305-1105, BIO 1306-1106, CHE 1301-1101, CHE 1302-1102, NSC 1306-1106, PHY 1420, PHY 1430, GEO 1406, ENV 1301-1101, ENV 1303-1101, ENV 2375-2175, ENV 2407; One course and lab from: GEO 1401, GEO 1402, GEO 1405, GEO 1405, GEO 1408.
- STA 4000-level choose from: STA 1301, 4370, 4371, 4372, 4373, 4374, 4387, 4V90. STA 4V90 may be taken for a maximum for 6 hours.
- Students who wish to pursue graduate training in mathematics are encouraged to take additional advanced hours in mathematics, but a statistics department advisor can help you tailor your electives to your personal and professional goals.
- English requirement: Students majoring in the sciences may take ENG 3300 instead of ENG 1304.
- A grade of “C” or better is required for all courses used for the major.
- For more information, see the Baylor Undergraduate Catalog.

*Because of the number of electives, there is enough room for a minor or second major.*

**Please see reverse side for important information on general requirements.**
<table>
<thead>
<tr>
<th>Tarrant County COURSE</th>
<th>BAYLOR COURSE</th>
<th>BAYLOR TITLE</th>
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<tbody>
<tr>
<td>ENGL 1301</td>
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<td>ENGL 1304</td>
<td>ENG 1304</td>
<td>Thinking, Writing &amp; Research</td>
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<tr>
<td>ENGL 2322</td>
<td>ENG 2301</td>
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<td>ENGL 2306</td>
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<td>BIO 1305-1105</td>
<td>Modern Concepts of Bioscience</td>
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<td>BIOL 1407</td>
<td>BIO 1306-1106</td>
<td>Modern Concepts of Bioscience, Continued</td>
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<td>GEOF 1403</td>
<td>GEO 1405</td>
<td>The Dynamic Earth</td>
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<td>GEOF 1404</td>
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<td>Earth Through Time</td>
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<td>CHEM 1412</td>
<td>CHEM 1302-1102</td>
<td>Basic Principles of Chemistry II</td>
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<td>PHYS 1402</td>
<td>PHY 1409</td>
<td>Gen. Physics for Nat. &amp; Behavioral Sci. II</td>
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<td>PHY 1420</td>
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<td>ENV 1301-1101</td>
<td>Exploring Environment at Issues and lab</td>
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<td>ENV 1303-1103</td>
<td>Wildlife Ecology and lab</td>
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<td>ENGL 2327 or 2328</td>
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<td>HIST 2322</td>
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<td>PHI 3312</td>
<td>History of Philosophy: Modern Europe</td>
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<tr>
<td>GOVF 2305</td>
<td>PSC 1305</td>
<td>American National Government</td>
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<td>GOVF 2306</td>
<td>PSC 1306</td>
<td>American State &amp; Local Government</td>
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<td>PSYC 2301</td>
<td>PSY 1305</td>
<td>Introductory Psychology</td>
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<td>SOCI 1301</td>
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<td>Introduction to Sociology</td>
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<tr>
<td>PSC 2302</td>
<td>American Constitutional Development</td>
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<tr>
<td>(Note: Both GOVF 2305 and 2306 must be complete before coming to Baylor to receive credit for PSC 2302. This course may not be transferred from another school after the student has earned hours at Baylor.)</td>
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**LIFETIME FITNESS:** Four activity courses are required