

# Business Analytics Minor

21 credit hours

Note: For information systems majors or ISA majors in the information systems track at least 9 credit hours beyond the business core must be courses not double counted toward the major. For statistics majors at least 12 credit hours must be courses taught by Farmer School Faculty.

## Required Core Courses (15)

<b>ISA 225 (3)</b> <b>Principles of Business Analytics</b> <i>Requires ISA/STA 125; MTH 151</i>
<b>ISA 235 (3)</b> <b>Information Technology and the Intelligent Enterprise</b> <i>Requires BUS 101; CSE 148</i>
<b>ISA 245 (3)</b> <b>Database Systems and Data Warehousing</b> <i>Requires ISA 235</i>
<b>ISA 291 (3) Applied Regression Analysis in Business</b> <i>Requires ISA 225</i> <b>OR STA 463/563 (4) Regression Analysis</b> <i>Requires MTH222 or 231; STA 401</i> <b>OR ECO 311 (3) Examining Economic Data and Models</b> <i>Requires ECO 201; ECO 202; ISA 225, STA 261, STA 301, or STA 368; MTH 151</i> <i>Must be an ECO major for this option</i>
<b>ISA 401 / STA 501 (3) Business Intelligence and Data Visualization</b> <i>Requires ISA 245 or CSE 385</i>



## Choose One Elective: (3)

<b>IMS/JRN/STA 404 (3)</b> <b>Advanced Data Visualization</b> <i>Requires either: ISA 225, IMS 261, or STA 261, 301, 368, or 671</i>	<b>ISA 480 (3)</b> <b>Topics in Decision Sciences</b>
<b>ISA 321 (3)</b> <b>Quantitative Analysis of Business Problems</b> <i>Requires either ISA 291, ECO 311, or STA 463</i>	<b>ISA 491 (3)</b> <b>Introduction to Data Mining in Business</b> <i>Requires either ISA 291, ECO 311, or STA 463</i>
<b>ISA 365 (3)</b> <b>Statistical Monitoring and Design of Experiments</b> <i>Requires either ISA 225 or STA 301, 363, or 368</i>	<b>ISA 496 (3)</b> <b>Business Analytics Practicum</b> <i>Requires either ISA 404 or ISA 491</i>
<b>ISA 444 (3)</b> <b>Business Forecasting</b> <i>Requires either ISA 291, ECO 311, or STA 463</i>	<b>STA 402 (3)</b> <b>Statistical Programming</b> <i>Requires either ISA291, STA333, STA363, or STA463</i>
	<b>STA 483 (3)</b> <b>Analysis of Forecasting Systems</b> <i>Requires STA 401; either ISA 291 or STA 363, 463, or 672</i>



## Choose One Additional Elective from Previous List or from the List Below: (3)

<b>ECO 411 (3)</b> <b>Advanced Empirical Methods</b> <i>Requires ECO 311; ECO 315</i>
<b>ISA 281 (3)</b> <b>Concepts in Business Programming</b>
<b>ISA 414 (3)</b> <b>Managing Big Data</b> <i>Requires ISA 245 or CSE 385; and either ISA 281, ISA401, STA402, or STA404</i>