

# Business Analytics Graduate Certificate

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The Business Analytics Graduate Certificate is a 12 semester hour (4 courses) certificate. All courses are currently being taught and eligible to help meet the requirements for the Master of Science in Business Analytics (MS-BUSA) program. For information about this Graduate Certificate contact Dr. Zaki Malik at 903-886-5692 or email [zaki.malik@tamuc.edu](mailto:zaki.malik@tamuc.edu) (Zaki.Malik@tamuc.edu).

## Requirements to complete the Business Analytics Graduate Certificate (12 semester hours):

BUSA 511	Business Analytics for Managers	3
or BUSA 542	Applied Decision Modeling	
BUSA 526	Database Management	3
or BUSA 532	Data Warehousing	
BUSA 523	Business Analytics Programming	3
or BUSA 537	Advanced Analytics	
<b>Elective Options: 3 semester hours required</b>		<b>3</b>
BUSA 516	Emerging Technologies and Business Innovations	3
BUSA 545	Machine Learning	3
BUSA 547	Data Visualization	3
<b>Total Hours</b>		<b>12</b>

**Note:** Students must have admission to the Graduate School. Coursework must be completed at Texas A&M University-Commerce with a 3.0 GPA in all courses used for this graduate certificate. **(No Substitutions)**