

# UNDERGRADUATE CERTIFICATES

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An undergraduate certificate provides training opportunities for undergraduate students. Certificates are narrower in scope and shorter in duration than baccalaureate degrees. Undergraduate certificates are neither “degree” programs nor teacher certification programs. Students wishing to be certified to teach at the elementary, middle school, or high school level should refer to the Teacher Certification Programs for Undergraduate Students. Students must apply to have undergraduate certificates noted on their transcripts.

## College of Business Administration Cybersecurity

Code	Title	Credit Hours
CIS 3347	Data Communications and Infrastructure	3
CIS 4341	Information Technology Security and Risk Management	3
CIS 3361	Introduction to Computer Forensics	3
CIS 4342	Computer Security Principles and Practices	3
CIS 4345	Network and Systems Security	3
CIS 4346	Applied Security	3
<b>Total Credit Hours</b>		<b>18</b>

## Data Analytics

Code	Title	Credit Hours
CIS 3302	Introduction to Business Analytics	3
CIS 3306	Data Visualization	3
CIS 4302	Web & Social Analytics	3
CIS 4303	Data Mining	3
CIS 4352	Structured Query Language	3
CIS 4301	Database Theory and Practices	3
<b>Total Credit Hours</b>		<b>18</b>