CERTIFICATE IN DATA ANALYTICS

Intelligent analysis of large amounts of data is a crucial component in numerous business applications and a crucial component in supporting business decisions. The Certificate in Data Analytics is intended for students interested in learning how to discover patterns in large amounts of data in information systems and how to use these to draw conclusions.

Certificate programs offer working professionals an opportunity to increase their knowledge and skills in the specific areas of computer science. A certificate representing proven academic performance is presented after the required nine credit hours of coursework is completed with a GPA of 3.0/4.0. Courses taken may be later applied toward a computer science master's degree program.

Curriculum

Code	Title	Credit Hours
Select nine credit hours from the following:		9
CS 422	Data Mining	3
CS 520	Data Integration, Warehousing, and Provenance	3
CS 522	Advanced Data Mining	3
CS 554	Data-Intensive Computing	3
CS 579	Online Social Network Analysis	3
CS 583	Probabilistic Graphical Models	3
CS 584	Machine Learning	3
CS 585	Natural Language Processing	3
CSP 571	Data Preparation and Analysis	3
Total Credit Hours		**9**