

international students must demonstrate proficiency in English to enter the program.

Curriculum: The four courses required for the certificate program must be selected from the

following eight courses (all 3 credit hour courses).

- CAP6673 Data Mining and Machine Learning
- CAP6776 Advanced Data Mining and Machine Learning
- CAP6776 Information Retrieval
- CAP6771 Data Mining for Bioinformatics
- CAP6688 Social Networks and Big Data Analytics
- CAP6780 Big Data Analytics with Hadoop
- CAP5615 Intro to Neural Networks