Graduate Certificate Programs

Big Data Essentials with Python

DS-520	Data Analysis and Decision Modeling	3
DS-542	Python in Data Science	3
DS-600	Data Mining	3
DS-630	Machine Learning	3
Total Credits		**12**

Blockchain Technology

CY-510	Cyber Security Planning & Risk Analysis	3
CY-530	Cryptography	3
CY-645	Blockchain Technologies	6
Total Credits		**12**

Business Analytics

DS-520	Data Analysis and Decision Modeling	3
DS-600	Data Mining	3
DS-660	Business Analytics	3
DS-680	Marketing Analytics & Operation Research	3
Total Credits		**12**

Cyber Security

CY-510	Cyber Security Planning & Risk Analysis	3
CY-540	International Communication & Networking	3
CY-530	Cryptography	3
CY-610	Ethical Hacking and Penetration Testing	3
or CY-640	Cybercrime and Digital Forensics	
Total Credits		**12**

Digital and Social Media Marketing

MS-500	Mrktg Fundamentals: Customer Experience	3.00
MS-510	The Influence & Persuasion of Consumers	3.00
MS-520	Foundations of Social & Mobile Techs	3.00
MS-640	Digital Mktg Analytics & User Experience	3.00
Total Credits		**12**

Executive Leadership

GB-620	Leadership	3
GB-633	Executives in Residence Seminar I	3
or GB-634	Executives in Residence Seminar II	
GB-632	Negotiations & Conflict Resolution	3
GB-646	Crisis Communications	3
or GB-628	Organizational Theory	
Total Credits		**12**

Healthcare Administration

GB-671	Health Care Financing & Risk Management	3
GB-672	Current Issues & Policies in Health Care	3
GB-673	Health Care Administration	3
GB-674	Health Care Administration II	3
Total Credits		**12**

Human Resources Management

GB-511	Management & Human Behavior	3
GB-619	Employment Law	3
GB-620	Leadership	3
GB-621	Human Resources	3
Total Credits		**12**

Marketing and Consumer Analytics

MS-500	Mrktg Fundamentals: Customer Experience	3.00
MS-510	The Influence & Persuasion of Consumers	3.00
MS-520	Foundations of Social & Mobile Techs	3.00
MS-630	Web Analytics: Email Clickstream & SEO	3.00
Total Credits		**12**

Risk Management

GB-629	Enterprise Risk Management	3
GB-630	Strategic Risk Management	3
GB-631	Risk Management and Insurance	3
GB-646	Crisis Communications	3
Total Credits		**12**