

*Academic Plan  
College of DuPage and Elmhurst University  
Masters in Data Science and Analytics*

**Appendix A**

<b>College of DuPage</b>		<b>Elmhurst University</b>	
<b>Certificate Requirements</b>	<b>Semester Hours</b>	<b>Equivalencies at Elmhurst University</b>	<b>Course Credits</b>
OFTI 1200 MS Office for Professional Staff <b>-OR-</b> CIS 1150 Understanding Computers, Information, and Systems CIS 1221 Introduction to Spreadsheets CIS 1222 Advanced Spreadsheets CIS 1230 Database Application CIS 2735 Data Analytics and Visualization MATH 1635 Statistics	3.0  3.0 3.0 3.0 4.0 4.0	By completing the certificate, the online graduate program prerequisite course is waived.	
<b>Total COD Hours</b>	<b>20.0</b>		
		MDS 546 Quantitative Methods MDS 523 Data Warehousing MDS 534 Introduction to Business Intelligence, Data Mining, and Predictive Modeling MDS 560 Business Intelligence for Enterprise Value MDS 535 Programming Environments for Modern Data MDS 556 Analytical Methods for Machine Learning MDS 564 Advanced Machine Learning Applications MDS 576 Data Science Capstone Students will complete two additional electives from the MDSA program or another approved Elmhurst University graduate program.	0.75 0.75 0.75  0.75 0.75 0.75 0.75 0.75 1.50
<b>Total Elmhurst University Credits Required</b>			<b>7.50</b>