

Assignment 0: Skills Assessment and Inventory**Due Aug 27, 2023**

Reference link for the WTAMU Graduate Catalog which describes the requirements of the MS-CISBA program.

https://catalog.wtamu.edu/preview_program.php?catoid=30&poid=4839&returnto=2643

Course	Skills	Strongest	Weakest	Github Examples of work
Data Analytics Course 1 CIDM 6308 – SEM Data/Analytics 2018 SU2	SQL, excel data analysis tools (pivot tables), correlation/statistics	<ul style="list-style-type: none"> • application of business intelligence • logistic regression • linear regression modeling • data analysis using excel 	<ul style="list-style-type: none"> • Predictive modeling – need to do more work in this area • Machine Learning – less experience 	https://github.com/m3gan-m/CIDM-6308
Data Analytics Course 2 CIDM 5310 – BUS Intel and DS SYS 2021 SU1	Python, SQL, VPS server, Putty, Filezilla, myPHPAdmin, VPS server	<ul style="list-style-type: none"> • analysis of data for the purpose of decision support • data integration 	<ul style="list-style-type: none"> • Jupyter notebook – setup and use. Need more time to work with this tool 	https://github.com/m3gan-m/CIDM5310
Data Mining and Management Course 1 CIDM 6350 – Data and Info Mgt 2021 SU1	SQL, Database concepts and design, relational models, normalization, primary/candidate keys,	<ul style="list-style-type: none"> • Data models – relational, hierarchy, network • data storage, queries 	<ul style="list-style-type: none"> • ER diagrams – identifying primary/candidate keys, foreign keys, etc • Anomalies in normalization 	https://github.com/m3gan-m/CIDM-6350
Data Mining and Management Course 2 CIDM 6351 – Business Data ETL 2023 SP	Python, SQL, Google Colab, Sololearn	<ul style="list-style-type: none"> • Extraction and transformation of data • cleaning, normalizing, and repairing data • Numpy, Pandas 	<ul style="list-style-type: none"> • Matplotlib – need more time to use and expand experience 	https://github.com/m3gan-m/CIDM6351
Systems Development Course 1	Python, SQL DDL, SQL DML, API	<ul style="list-style-type: none"> • data access • HTML/CSS 	<ul style="list-style-type: none"> • Git commit workflow – not too challenging 	https://github.com/m3gan-m/CIDM-6303

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CIDM 6303 – Tech Foundations CIS 2021 FA		<ul style="list-style-type: none"> structured query language ethical aspects of data science and software engineering 	but use infrequently <ul style="list-style-type: none"> entity relational diagrams 	
Systems Development Course 2 CIDM 6325 – E-Comm and Web Dev 2023 FA IN PROGRESS	Course in progress this semester	Course in progress this semester	Course in progress this semester	Course in progress this semester
Networking and Cybersecurity Course 1 CIDM 6341 – Cybersecurity 2022 FA	Shields Up, Have I been Pwned, Recuva, CCleaner, Ripper, Prey, security contingency plans, phishing	<ul style="list-style-type: none"> Common attacking techniques; security protocols Risk assessment, web security, threat vulnerability management Legal and ethical issues in computer security 	<ul style="list-style-type: none"> In depth contingency planning analysis of a large network – all assignments were limited to home network or small business networks 	https://github.com/m3gan-m/CIDM-6341
Networking and Cybersecurity Course 2 CIDM 6340 – Ntwk Mgt and Info Sec 2023 SU2	NMAP Wireshark, Shields Up, Nessus, cybersecurity, defense against cyber attacks	<ul style="list-style-type: none"> Networks technologies, communications architecture and protocols Vulnerability assessment and management Web application security 	<ul style="list-style-type: none"> In depth scanning analysis of a large network – all assignments were limited to home network or small business networks 	https://github.com/m3gan-m/CIDM-6340