SUPPLY CHAIN AND OPERATIONS RESEARCH ANALYTICS - UNDERGRADUATE MINOR

Prefix	Title	Credits
Course Requirements		
Required Courses		
MGMT 351	Supply Chain Management	3
Choose 3 credits from the following		3
I E 413	Engineering Operations Research I	
I E 467	Discrete-Event Simulation Modeling	
Technical Elective Courses (Choose 6 credits from the following)		6-7
Track One - Data Analytics		
I E 311	Engineering Data Analysis	
A ST 311	Statistical Applications	
STAT 3110	Statistics for Engineers and Scientists	
I E 460	Evaluation of Engineering Data	
STAT 4210	Probability: Theory and Applications	
E E 465	Machine Learning I	
BCIS 461	Business Analytics I	
BCIS 466	Business Analytics II	
BCIS 475	Database Management Systems	
C S 482	Database Management Systems I	
C S 488	Introduction to Data Mining	
C S 272	Introduction to Data Structures	
Track Two - Optimization		
I E 423	Engineering Operations Research II	
I E 424	Manufacturing Systems	
CHME 392	Numerical Methods in Engineering	
C S 278	Discrete Mathematics for Computer Science	
MGMT 344	Production and Operations Management	
MGMT 470	Project Management in Organizations	
BCIS 485	Enterprise Resource Planning	
Track Three - Computer Programming and Applications		
I E 351	Applied Problem Solving in Industrial Engineering	
BCIS 321	Introduction to Software Development and Programming	
ICT 352	Software Technology I	
C S 271	Object Oriented Programming	
C S 273	Machine Programming and Organization	
C S 372	Data Structures and Algorithms	
C S 343	Algorithm Design & Implementation	
Applications in Engineering & Business (Choose 6 credits from the following) [1]		6
A E Courses 400-level (With approval of advisor and instructor)		
C E Courses 400-level (With approval of advisor and instructor)		
CHME Courses 400-level (With approval of advisor and instructor)		
E E Courses 400-level (With approval of advisor and instructor)		
E T Courses 400-level (With approval of advisor and instructor)		
I E Courses 400-level (With approval of advisor and instructor)		
M E Courses 400-level (With approval of advisor and instructor)		
ACCT Courses 400-level (With approval of advisor and instructor)		
BCIS Courses 400-level (With approval of advisor and instructor)		
BFIN Courses 400-level (With approval of advisor and instructor)		
MGMT Courses 400-level (With approval of advisor and instructor)		
C S Courses 400-level (With approval of advisor and instructor)		
A ST Courses 400-level (With approval of advisor and instructor)		
Total Credits		**18-19**

[1] Courses numbered 450 or above may be used to satisfy course requirements for the Master's Accelerated Program (https://engr.nmsu.edu/students/Fifth-page.html) (requires department head approval)