LEAN MANUFACTURING AND ANALYTICS - UNDERGRADUATE MINOR

Prefix	Title	Credits
Course Requirements		
Required Courses		
I E 316	Methods Engineering	3
I E 490	Selected Topics (Lean tools in Systems Engineering)	3
Technical Elective Courses (Choose 6 credits from the following)		*6*
Track One - Data Analytics		
I E 311	Engineering Data Analysis	
A ST 311	Statistical Applications	
I E 351	Applied Problem Solving in Industrial Engineering	
STAT 3110	Statistics for Engineers and Scientists	
I E 460	Evaluation of Engineering Data	
STAT 4210	Probability: Theory and Applications	
BCIS 461	Business Analytics I	
C S 488	Introduction to Data Mining	
Track Two - Manufacturing Systems		
I E 375	Manufacturing Processes II	
I E 217	Manufacturing Processes	
E T 217	Manufacturing Processes	
I E 478	Facilities Planning and Design	
E T 480	Innovation and Product Development	
MGMT 344	Production and Operations Management	
Track Three - Quality Control		
I E 365	Quality Control	
I E 466	Reliability	
I E 490	Selected Topics (Introduction to Advanced Manufacturing)	
C E 498	Special Topics (Introduction to Nondestructive Testing)	
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)		
BCIS 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**

[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)