INDUSTRIAL ENGINEERING - SUPPLY CHAIN ANALYTICS CONCENTRATION

Department: Industrial and Manufacturing Engineering and Technology (https://catalog.bradley.edu/undergraduate/engineering-technology/industrial-engineering/)

The baccalaureate programs in industrial engineering and manufacturing engineering are accredited by the Engineering Accreditation Commission of ABET, https://www.abet.org (https://www.abet.org/).

The Bachelor of Science in Industrial Engineering (https://catalog.bradley.edu/undergraduate/programs/industrial-engineering-major/) (BSIE) program with the Supply Chain Analytics concentration focuses on descriptive, predictive, diagnostic, and prescriptive analytics theories and applications to supply chain management. Students with this concentration will learn theoretical background of data analytics and various applications in supply chain and engineering environment. The students will be equipped with data-driven decision-making skills in complex supply chain systems.

Code	Title	Hours
Approved Supply Chain Analytics Concentration Technical Electives		
Select five of the following:		15.0
IME 314	Operations Research II	
IME 478	Engineering Analytics 2	
IME 483	Production Planning and Control	
ECO 355	Supply Chain Economics	
MTG 388	Global Supply Chain Management	
MTG 394	Supply Chain Tools and Techniques	
MIS 471	Applied Machine Learning for Business	
MIS 473	Data Visualization for Business Analytics	
IME 468	Engineering Analytics 1	
IME 486	Logistics & Supply Chain Systems	
Choose two courses from the following list (6 hours)		6.0
Two additional above 300-level non-required IME courses		6.0
An additional elective course from the Approved Technical Elective Courses		3.0
Total Hours		**30**