



Master of Engineering: Engineering Data Analytics

The University of Wisconsin-Madison is excited to launch the Master of Engineering: Engineering Data Analytics degree with the first class starting in Fall 2017. In this program, you will:

- Complete a flexible course plan in data analytics, engineering courses, and professional development
- Learn foundations of data analytics and how to use these skills within your engineering discipline

Degree at a Glance

Credits: 30 Credits

Delivery: Online

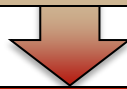
Time Frame: 2-4 years

Tuition: \$1300 per credit

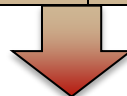
Degree Conferred: Master of Engineering

The degree can be completed in 2 years. Students complete 30 credits in the following areas:

Take fifteen Data Analytics credits.	
LIS 751	Database Design & Management
ISyE 412	Industrial Data Analytics
ME 759	High-Performance Computing for Applications in Engineering
EPD 416	Engineering Applications of Statistics
NEW	Data Communication and Visualization



Choose at least twelve credits within one or multiple engineering concentrations.					
All courses are 3 credits except where otherwise noted by superscript					
Management	Manufacturing	Engine Systems	Controls	Power	Polymers
Engineering Problem Solving with Computers	Automation, Robotics & Evaluating New Technology	Engine Performance & Combustion ⁴	Automatic Controls	Electromechanical Energy Conversion	Introduction to Polymer Processing
Engineering Economic Analysis & Management	Production Systems Analysis	Engine Project Management	Computer Control of Machines and Processes	Intro to Electric Drive Systems	Engrg. Design with Polymers
Marketing for Engineers	Supply Chain & Logistics Management	Perspectives in Engine Modeling ²	Physics-Based Modeling for Computer Control	Power Electronic Circuits	Fundamentals of Injection Molding
International Engineering Strategies & Operations	Quality Engineering and Quality Management	Analysis of Trends in Engines: Legislation & Alt. Fuels ¹		Electric Power Systems	Composite Materials
Communicating Technical Information	Technical Project Management	Analysis of Trends in Engines: Powertrain Tech & Mfg. Constraints ¹			Modeling & Simulation in Polymer Processing
Engineering Law ²					



Choose one to five one-credit courses in Professional Development to reach 30 credits.		
Connected Learning (required)	Organizational Communication	Ethics for Professionals
Presentations for Professionals	Change Management	Key Legal Concepts for Professionals
Marketing for Non-Marketing Professionals	Leading Teams	Effective Negotiations
	Creating Breakthrough Innovations	Financial and Business Acumen

Program curriculum and course availability are subject to change.

Coordinate eligibility for electives with Program Director.