

Business Administration, Master - **Operations Management Business Analytics** Emphasis Area

Emphasis Area Requirements

Master of Business Administration (MBA) students seeking an emphasis in **Operations Management (OM) Business Analytics** must complete **9** SCMA 6345, SCMA 6350 and 3 additional hours from approved **courses in addition to SCMA 5300 and SCMA 5320 Business Analytics** electives beyond SCMA 5310 (SCMA 5310 does not count toward the emphasis in Business Analytics). A maximum of 15 hours in any functional area will count toward the degree requirements. A student cannot receive an emphasis in both **Operations Management Business Analytics** and **Logistics & Supply Chain Management** for the same set of courses. An overlap of up to 3 credit hours from approved courses, other than SCMA 5300 and **SCMA 5320 SCMA 5310** is allowed. Only courses that are substantially different from courses taken for credit in a student's undergraduate program will be acceptable. **Students must complete at least 30 credit hours to earn the MBA.**

List of approved **courses Business Analytics** electives for the **OM** emphasis:

SCMA 5312	Advanced Statistical Methods for Management	3
SCMA 5322	Lean Production	3
SCMA 5324		3
SCMA 5325	Environmental Analysis and Sustainability in Business Operations	3
SCMA 5326	Quality Management	3

SCMA 5334	Internship in Logistics and Supply Chain Management	1
SCMA 5340	Transportation Economics for Business Managers	3
SCMA 5349	Project Consulting and	3
SCMA 5354	Simulation for Managerial Decision Making	3
SCMA 5381	International Logistics and Operations Management	3
SCMA 5389	Supply Chain Management Practicum	3
SCMA 5399	Individual Research in Logistics and Operations	1-3
SCMA 6330	Business Logistics Systems	3
SCMA 6331	Logistics and Supply Chain Operational Modeling Supply Chain Modeling	3
SCMA 6332	Logistics and Supply Chain Strategic Modeling	3
SCMA 6338	Business Processes: Design, Management & Integration	3
SCMA 6345	Business Analytics and Data Mining	3
SCMA 6347	LOM Project Management	3
SCMA 6350	Management Science	3

SCMA 6354	Advanced Operations Research Topics	3
SCMA 6360	Advanced Logistics and Operations Management Applications	3
SCMA 6395	Seminar in Logistics and Operations Management	3
BUS AD 5198	Seminar in Business Administration ¹	3
FINANCE 6503	Computer Applications in Finance	3
FINANCE 6523	Fixed Income Analysis	3
FINANCE 6524	Portfolio Analysis and Management	3
INFSYS 6830	Data Programming for Business Intelligence	3
INFSYS 6833	Decision Support Systems for Business Intelligence	3
INFSYS 6860	Data Integration	3
INFSYS 6862	Artificial Intelligence Applications for Business	3
MKTG 5740	Marketing and Business Analytics	3

¹ If the topic is appropriate.

Rationale

The change of the MBA Operations Management Emphasis to the Business Analysis Emphasis is inline with the new proposed Master of Science in Supply Chain Analytics with focus in both the supply chain domain and business analytics. This will make the emphasis more attractive with growing availability of data and need for data-driven decision making. The four required courses provide thorough and in-depth coverage on all "three-pillar" of Analytics: Descriptive, Predictive and Prescriptive. The remaining elective can be chosen from analytics oriented courses in Supply Chain, Finance, Information System and Marketing.