

MARKETABLE SKILLS FOR MASTER OF SCIENCE: INDUSTRIAL MANAGEMENT

SKILL SET	INDUSTRIAL MANAGEMENT DEVELOPMENT- SPECIFIC APPLICATION	GENERAL EMPLOYMENT APPLICATION	HOW DELIVERED
Operations Management	Develop applications from theories and practice from operations management. Understand concepts, models, theories and research from operations management.	Develop skills to effectively prepare, communicate and deliver effective leadership of industrial operations.	MANA 5305 – Decision Making in Operations Management
Effective Communication	Understand differences in Individual and interpersonal communication, develop problem-solving skills, decision-making, teamwork, etc.	Develop skills to communicate effectively in a workplace or team setting.	TECH 5371 Research Internship in Technology TECH 5306 Logistics Management TECH 5335 Lean Management
Project Management	Describe theories, concepts and strategies of project management.	Develop skills to successfully organize and promptly complete projects required by employers.	TECH 5331 – Project Management
Lean Management	Understand the lean tools to eliminate waste and improve operations.	Develop skills to provide effective recommendations to eliminate waste in a company's operations.	TECH 5335 – Lean Management
Improving Quality	Identify problems or issues in processes and operations so quality tools can be applied for continuous improvement.	Develop skills essential to improving quality by reducing variation in production and business operations.	TECH 5310 – Six Sigma Quality TECH 5320 – Total Quality Management TECH 5390 – Advanced Lean Six Sigma Quality Techniques
Value Stream Mapping Skills	Develop the skills to create value stream maps to find non value added processes that can be eliminated.	Develop skills critical to organizations to find value streams and eliminate non value added operations for cost cutting measures to stay competitive.	TECH 5366- Value Stream Management

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Logistics and distribution	Understanding fundamentals of effective logistics and distribution networks.	Develop skills necessary to implement effective logistics and distribution networks to reduce costs and improve profits.	TECH 5306 Logistics Management
Research	Understanding of methods and processes of qualitative and quantitative research methods by applying knowledge learned from the program into a research paper.	Develop skills in scholarly research to solve organizational issues and propose new strategies to an organization and society.	TECH 5303- Research Techniques in HRD/Technology