



Master's Degrees Comparison

	MS	MBA	METM
General Description	Technical skill development in a discipline for a move into research or deeper into a technical career.	Core business knowledge development for general business management.	Combined technical and business skill development meant for managing and leading engineering/ science/ technical teams, projects, and organizations.
Student Cohort	STEM workers requiring more advanced technical skills and credentials.	Workers of any educational background (from Arts to Zoology) wanting to move into general business management positions.	STEM workers moving into positions requiring both advanced technical and management capabilities.
Faculty	Engineering and/or science degrees with mostly academic backgrounds.	Business with mostly academic backgrounds.	Engineering degrees with extensive industry experience.
Representative Courses	Rigorous courses within a specific technical discipline (e.g., Advanced Aerodynamics, Continuum Mechanics). Comprehensive thesis typically required.	Business courses including Accounting, Finance, Marketing, Human Resources, Operations, Economics, Organizational Behavior, and Communication. Capstone project typically required.	Project Management, Systems Engineering, Operations, Research, Quality Control, Constraints Management, Supply chain Management, Finance for Technical Systems, Leadership of People and Organizations, Leading Design and Innovation, Design of Experiments. Capstone experience typically required.
Credit hours	Typically 30 to 36 course credits plus thesis.	Typically 40+ credits plus capstone project.	Typically 30 credits plus capstone project.
Admission Requirements	B.S., GRE, GPA, and references.	B.A. or B.S., GMAT, GPA, and references.	B.S., GPA, and references.