

MASTER OF TECHNOLOGY MANAGEMENT

ENGINEERING TECHNOLOGY COURSE WORK REQUIREMENTS AND OPTIONS

The Master of Technology Management degree requires a total of 33 credit hours: 6 CRH of Technology Core, 6 CRH of Business Operations, 15 CRH of Technology Specialization, and 6 CRH of Synthesis Experience.

Program Core (6 Semester Hours)	
TECH 6440	Engineering Economics and Technical Strategic Management
CONS 6420	Construction Program Management

Business Operations (6 Semester Hours)	
TECH 6030 or STAT 6010	Data Analysis and Decision Making
And one of the following:	
TECH 6500	Seminar in Renewable Technologies
QS 6160	Quality Culture Assessment
Any Other 5000 or 6000 level business courses with advisor approval	

Synthesis (6 Semester Hours)		
Thesis	TECH 6910	Directed Research in Technology
	TECH 6990	Thesis Research
Project	TECH 6910	Directed Research in Technology
	TECH 6920	Research Proposal Development

Engineering Technology Concentration (15 Semester Hours)	
Courses must be selected with approval by advisor. No more than three 5000 level courses, three independent study courses (TECH 6820, TECH 6840/6850), one workshop, and one internship can be applied to the Advanced Technology Concentration.	
TECH 6020	Instrumentation and Control
TECH 6040	Technology of Concurrent Engineering
TECH 6280	Computer Automated Manufacturing
TECH 6800	Seminar in Technology
TECH 6820/ 6830	Topics in Technology
QS 5270	Synchronous Quality Planning
QS 6160	Quality Culture Assessment
QS 6260	Six Sigma Systems Analysis
QS 6270	Lean Systems Analysis
ECT 5410	Instrumentation
ECT 5420	Digital Computer Analysis
ECT 5430	Electronic Devices
ECT 5530	Digital Computer for Process Control
ECT 5860	Digital Communication and Networking
TECH 6840/6850	Readings and Problems in Technology
DESN 5040	Computer Aided Modeling, Simulation, and Analysis
DESN 5520	Design in Industry
TECH 6880/6890	Graduate Internship
TECH 6880/ 6890	Graduate Internship
TECH 6940 / 6950	Workshop in Technology
TECH 6790	Research and Development in Technology

- Synthesis hours cannot be taken without consent of advisor and graduate coordinator.
- Concentration and core courses do not have to be taken in any specific order unless there are prerequisites.