



Engineering and Technology Management

Make it in Washington EDUCATION PLAN

This education plan identifies the program of study each employee/student intends to pursue as a participant under the MiiW grant. This plan should be collaboratively developed by the employee and employer, and approved by the Project Facilitator at WSU's Engineering and Technology Management program. The education plan is only effective upon an employee's acceptance into the ETM program and Washington State University.

1. Participating Parties

Company: _____
 Sponsor Name: _____
 Title: _____
 Phone: _____
 Email: _____

 Employee/Student: _____
 Title: _____
 Phone: _____
 Email: _____

2. Education option - Chose Course option(s) below: a list of course offer terms are included in the second page of this document.

Graduate					Undergraduate				
Fall 2017					Fall 2017				
	E M 508		E M 530		E M 585		E M 422		E M 464
	E M 522		E M 560		E M 590		E M 426		E M 490
	E M 526		E M 564				E M 460		

3. Semester Starting: _____ See etm.wsu.edu/dates for application and additional deadlines.
Application deadlines are one month prior to semester begin date. MiiW scholarship funding ends Fall 2017.

4. Along with this document student must submit the following (*see [ETM MiiW Admission](#) for more information)

	Resume		Unofficial Transcripts*
	Employer/Employee Agreement		Personal Statement*

5. Signatures

Company Sponsor date

ETM Project Facilitator date

Employee/Student date



GRADUATE COURSES

Course Title / Course Number	Course Description
Fall 2017 – August 21 – December 8	
Legal Concepts for Engineering & Technical Managers E M 508	Basic legal obligations of engineering/technical managers; identify, minimize and recognize risks and liability; contemporary legal environment and business law.
Leadership, Supervision, and Management E M 522	Strategies of supervision with practical application techniques presented to create individual and organizational motivation.
Constraints Management E M 526	Identifies factors that block improvements in any system; effective breakthrough solutions; continual systems improvements for manufacturing, administration, projects.
Applications of Constraints Management E M 530	Understanding and applying proved solutions developed by the theory of constraints in areas of production, project management, finance, and distribution.
Integrated Supply Chain Management E M 560	How technical managers analyze and manage the flow of materials, services, and information for products from inception to final customer.
Project Management E M 564	Technical tools, Critical Path Method (CPM), Program Evaluation Review Technique (PERT), cost/schedule control systems, behavioral issues and organizational structure.
Quality Improvement Using Design of Experiments E M 585	Design for quality improved products; processes and services using designed experiments, including robust/parameter design.
Design for Product and Service Realization E M 590	Techniques and tools to optimize cost, quality, time to market, and to improve comprehensive product design, manufacturability and service components.

UNDERGRADUATE COURSES

Course Title / Course Number	Course Description
Fall 2017 – August 21 – December 8	
Leadership, Supervision, and Management E M 422	Strategies of supervision with practical application techniques presented to create individual and organizational motivation.
Constraints Management E M 426	Identifies factors that block improvements in any system; effective breakthrough solutions; continual systems improvements for manufacturing, administration, projects.
Integrated Supply Chain Management E M 460	How technical managers analyze and manage the flow of materials, services, and information for products from inception to final customer.
Project Management E M 464	Technical tools, Critical Path Method (CPM), Program Evaluation Review Technique (PERT), cost/schedule control systems, behavioral issues and organizational structure.
Design for Product and Service Realization E M 490	Techniques and tools to optimize cost, quality, time to market, and to improve comprehensive product design, manufacturability and service components.