

# Make it in Washington



Business Growth

Market Expansion

Employee Education

*for*

Washington State's

# Rural Manufacturers

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U.S. Department of Labor • NIST • Economic Development Administration

# Make it in Washington

## Program Funding

### **Make it in America Challenge**

\$20.5 Million Federal Grant (3-year effort)

To spur business investment and job creation in the U.S.



**Washington state awarded \$2.7M for rural manufacturers**

# Make it in Washington

## An Integrated Effort

### Key Partnerships to broaden manufacturing capacity



Washington State  
Workforce Training  
And Education  
Coordinating Board



**Department of Commerce**  
Innovation is in our nature.

- Strategic business planning
- Strengthen supply chains
- Access capital
- Technical assistance
- Consultation
- Foreign markets

Workforce  
education &  
training



# Make it in Washington

## Your Benefits

### Business Expert Team

Path to Success

#### **Innovate Washington and Impact Washington**

- Provide in-depth business consulting services
- Advice on improving operational efficiencies
- Assessing and overcoming risks when pursuing new products, customers, and markets
- Strengthen supply chains & create asset map identifying areas optimal for business growth and development

#### **WA Department of Commerce**

- Develop global markets
- Attract foreign investments
- Conduct trade missions to promote WA manufacturers

### Educational Program

Skilled Workforce

#### WSU Global Campus

#### **Engineering and Technology Management**

*Online Undergraduate and Graduate Certificates*

- Scholarships (up to four courses or one certificate)
- Project management, supply chain management, manufacturing leadership, and more

#### **Highline and Shoreline Community Colleges**

*Online Proficiency Certificates*

- Scholarships for certificates
- International business and trade, purchasing, and more

# Make it in Washington

## CoreValue® Program

Impact Washington

### Company Value Diagnostic Tool\*

- Determines company's value and effectiveness based on 18 business drivers
- Develops roadmap for improvement plan prioritized by projected value increase
- Identifies “red flags”

\* Fee-based service



#### More information

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# Make it in Washington

## Team Contact Information

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Make it in Washington

# Education and Training

MiiW Scholarship Program

WASHINGTON STATE UNIVERSITY  
GLOBAL CAMPUS

## **Engineering and Technology Management**

Online Master's and Professional Certificate Program



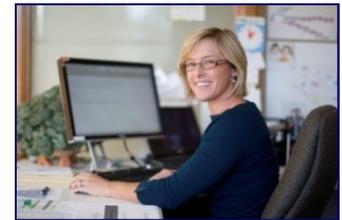
Established in 1982

## Program Delivery

### Global Online Access

#### *Convenient and Flexible*

- Lectures are delivered in real time, using the latest in video streaming and web-conferencing technologies that allow for student-faculty interactions. Courses can be accessed anywhere in the world with high-speed Internet.
- All lectures are archived and are available at anytime over the Internet.
- Live lectures are delivered in early evening to accommodate working professionals.
- Curriculum can be tailored to meet specialized professional needs and can be taken in a sequence that is the most beneficial.
- Students can easily access their professors and program coordinator by phone or e-mail.



## ETM Faculty

### All faculty have industry experience

- Seven ETM Faculty Members (fulltime and adjunct)
- Two construction management faculty
- Two new adjunct ETM faculty fall 2014 (TBD)

## MiiW Scholarship Program

### Engineering and Technology Management Online Undergraduate and Graduate Certificates

#### Graduate Certificates

- 1) Project Management
- 2) Six Sigma Quality Management
- 3) Manufacturing Leadership
- 4) Constraints Management
- 5) Logistics and Supply Chain Management

#### Certificate Requirements

Certificates require four courses (12 credit hours).

A certificate is awarded upon successful completion of these courses.

#### Advanced Undergraduate Certificates \*

- 1) Project Management
- 2) Six Sigma Quality Management
- 3) Manufacturing Leadership

\* All ETM Undergraduate Certificate courses are upper division, 400-level courses.



## WSU's Online Engineering and Technology Management

Graduate Certificates	Graduate Certificate Courses
<b>Project Management</b>	E M 501 Management of Organizations or E M 522 E M 508 Legal Concepts for Engineering and Technical Managers E M 520 Construction Project Management or E M 530 E M 564 Project Management  E M 522 Supervision and Leadership for Engineering & Technology Managers E M 530 Applications of Constraints Management
<b>Six Sigma Quality Management</b>	E M 538 Lean Agility or E M 590 E M 507 Six Sigma Quality Management* E M 580 Quality Control and Reliability E M 585 Quality Engineering Using Design of Experiments  E M 590 Design for Product and Service Realization
<b>Manufacturing Leadership</b>	E M 526 Constraints Management E M 538 Lean Agility E M 560 Integrated Supply Chain Management E M 590 Design for Product and Service Realization
<b>Constraints Management</b>	E M 501 Management of Organizations or E M 522 E M 526 Constraints Management E M 530 Applications of Constraints Management E M 534 Contemporary Topics in Constraints Management* or E M 555  E M 522 Supervision and Leadership for Engineering & Technology Managers E M 555 Enterprise Resource Management
<b>Logistics and Supply Chain Management</b>	E M 530 Applications of Constraints Management E M 555 Enterprise Resource Management or E M 590 E M 560 Integrated Supply Chain Management E M 567 Systems Supportability and Logistics Management  M 590 Design for Product and Service Realization

\* Prerequisites: E M 534 prerequisite: E M 526 or E M 530

E M 570 prerequisite: E M 503 or equivalent (statistics)

## WSU's Online Engineering and Technology Management

Undergraduate Certificates	Undergraduate Certificate Courses*
<b>Project Management</b>	E M 401 Management of Organizations E M 420 Construction Project Management E M 422 Supervision and Leadership for Engineering & Technology Managers E M 464 Project Management
<b>Six Sigma Quality Management</b>	E M 403 Managing Variability and Uncertainty E M 470 Six Sigma Quality Management (403 is a prerequisite) E M 480 Quality Control and Reliability E M 490 Design for Product and Service Realization or E M 438*preferred
<b>Manufacturing Leadership</b>	E M 426 Constraints Management E M 438 Lean Agility E M 460 Integrated Supply Chain Management E M 490 Design for Product and Service Realization

- Appropriate substitute courses approved by the program may be allowed to meet one or more of the certificate course requirements.

## Academic Requirements



### ETM Graduate Certificates

#### Admission Requirements:

- Bachelor's Degree
- Admission to WSU Graduate School
- Employment or experience (through study or previous employment) in engineering or technology required.
- Transcripts, Resume, and Personal Statement

### ETM Undergraduate Certificates

#### Admission Requirements:

- Associate Degree or equivalent (college algebra competency required)
- Employment or experience (through study or previous employment) in engineering or technology not required, but preferred.
- Unofficial transcripts\*, Resume, and Personal Statement

\* For students not seeking a WSU degree can enroll as non-degree seeking status.

## Deadlines

**Fall 2014 Semester: August 25**

Undergraduate: Application deadline is August 1 (for non-degree applicants)

Graduate: Application deadline is July 15 or August 1 for accelerated admissions.

Spring 2015 Semester: Jan. 12

## Value of ETM Program

### A MiiW Participant/Manufacturer

*We have reviewed the available certificates and found two that would be beneficial to us: **Project Management** (for our project managers and supervisors) and **Manufacturing Leadership** (for our senior managers).*

*The reason is our goal is to become the most professional, adaptable, and streamlined mid-size ship yard in the region. This program will help us build custom vessels with greater accuracy, less man hours and more coordinated efforts from all departments.*

Make it in Washington

## More Information: MiiW-ETM Website

<http://www.etm.wsu.edu/MiiA/MiiA.ETM.html>

College of Engineering and Architecture

**Engineering and Technology Management**

**Make It In America Challenge**



Advance Your Career

Become a Leader

Gain Employment

## Make It In Washington

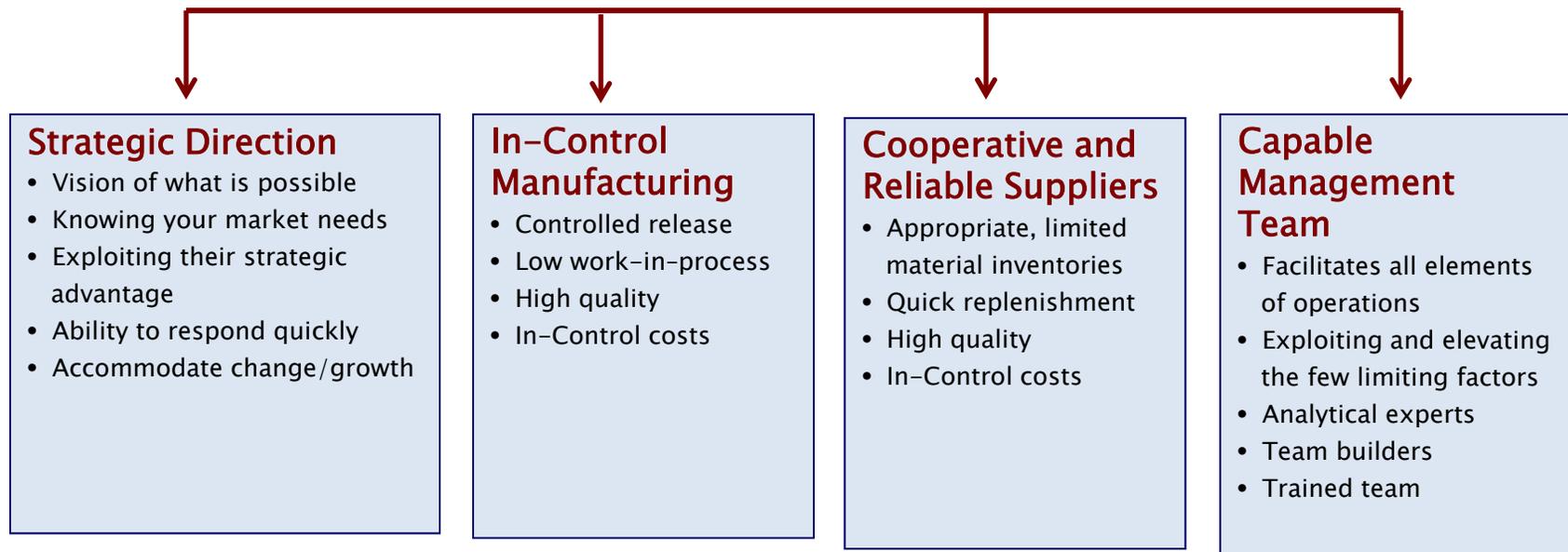
Scholarship Program

**Online Engineering and Technology Management**

## Appendix

### Small and Medium Sized Companies

# Attributes Required for Business Growth



# Filling the Workforce Skills Gap

## ETM Undergraduate and Graduate Certificates

