

Worcester Polytechnic Institute (WPI) Corporate and Professional Education

Marlborough Business Innovation Summit

September 22, 2010



Corporate and Professional Education

Presentation Agenda

1. Who is WPI?

2. Why is WPI here today?

- Biomanufacturing Education and Training Center
- Professional Development Workshops
- Graduate Degree Programs at Your Corporate Site

3. How to engage with WPI?



Who is WPI?

- 145 years of Educational Excellence
- Undergraduate and graduate programs
- Technical short courses and professional development workshops
- Science, engineering and MBA programs
- World-class faculty



Recognized for Excellence and Results



#1 in the country for student / faculty interaction



One of the top 25 "most wired campuses"



**#1 in the US Part-Time MBA
#2 US in Academic Quality
Rated best for Career Advancers**



**Top Colleges for Getting Rich
#9 in the Country**



... one of 16 national Leadership Institutions that will define the future of liberal education



**... best career prospects" for graduates of the MBA program
9 in the Country**

BAE SYSTEMS



Raytheon



TEXTRON



CYTYC



nationalgrid



Waters
THE SCIENCE OF WHAT'S POSSIBLE.™

GENERAL DYNAMICS
C4 Systems



Corporate and Professional Education

MBIS 9/22/10

Understanding Industry Needs

- WPI works closely with industry leaders
- **Help businesses retain and recruit employees**
- Training for transitioning displaced workers to new industry (Polaroid and Bose)
- **Work with state organizations for grant funding**



WPI Corporate and Professional Education

- Over 50 years of delivering education programs
- Courses taught by WPI faculty & adjunct faculty
- 4,000 programs delivered
- Over 100,000 professionals educated
- World-wide coverage



Biomanufacturing Education and Training Center (BETC)

- State-of-the-art Laboratory includes:

- Career training and re-training
- Research
- Process development work for area companies
- Learning how to advance in the biomanufacturing industry



- Part of a \$6.6 million state grant awarded for BETC

- Located at Gateway Park, Worcester

- Groundbreaking Fall 2010



Bristol-Myers Squibb



Fundamentals of Biomanufacturing ~ Certificate Training Program

Program Summary

- Hands on skills training in a biomanufacturing lab environment, taught by industry experts
- Qualifies participants for entry level careers in biomanufacturing.
- 85% of participants found employment



Who Should Participate

- Individuals looking to begin, or continue, a career in Biomanufacturing:
 - Displaced workers
 - Career Changers
 - Individuals re-entering the workforce
 - Sales training
 - Technician training



Fundamentals of Biomanufacturing

Next program October 4 – December 10, 2010

- **Where:** WPI's Bioprocessing Center at Gateway Park, Worcester, MA
- **When:** Three nights a week (Monday, Tuesday, Thursday), 5:00 - 9:00 pm
- **Minimum Qualifications:** High School Diploma, basic math skills and the ability to read and write English
- **Cost:** \$5,000
- **Registration Information:**
 - Contact Amanda Maurer, 508-831-4179, maurer@wpi.edu
 - Online registration at <http://cpe.wpi.edu/bioman.html>

Graduate Program Options

- Master of Science Degree
- MBA
- Graduate Certificate
- Graduate Courses



Sample Graduate Disciplines

- Biotechnology
- Bioengineering
- Systems Engineering
- Electrical and Computer Engineering
- Mechanical Engineering
- Manufacturing Engineering
- MBA
- Operations Design and Leadership
- Marketing and Technological Innovation
- Information Technology
- Power Systems

Graduate Program ~ Sample Logistics

- All courses taught by WPI Faculty
- **Delivered at corporate sites**
- One night per week, approximately 4:30 – 8:30 p.m.
- **One 10-week course per semester**
- Three semesters per year
- **Online delivery available ~ synchronous or asynchronous**
- Bachelor's degree required (discipline specific for many of the technical programs)

Professional Development Workshops and Certificate Programs

- One and/or two-day non-credit programs for professional development
- Delivered on-site or at one of our public, open-enrollment sites (Marlboro, Chelmsford, Worcester)
- Can be taken individually, or gain Certification in your chosen discipline by taking just five workshops

PROFESSIONAL DEVELOPMENT

- OPEN ENROLLMENT WORKSHOPS AND CERTIFICATE PROGRAMS
- CORPORATE ON-SITE WORKSHOPS AND CERTIFICATE PROGRAMS
- TECHNICAL SHORT COURSES

PROGRAMS PRESENTED AT YOUR CORPORATE SITE @
Chelmsford, MA • Marlborough, MA • Westborough, MA • Worcester, MA

A MESSAGE FROM THE DEAN	INDEX COVER	PROCESS IMPROVEMENT CURRICULUM AND CERTIFICATE	CUSTOMIZED CORPORATE TRAINING
PROJECT MANAGEMENT CURRICULUM AND CERTIFICATE	Leadership and Management Development Certificate Program (LMDP)	LEAN ENTERPRISE CORPORATE ONLY CURRICULUM AND CERTIFICATE	REGISTRATION INFORMATION
FUNDAMENTALS OF PROJECT MANAGEMENT	Essential Management Skills for New Managers	Understanding and Implementing Lean Tools and Techniques (CORPORATE)	BACK COVER
Effective Project Schedule Management	Improving Your Negotiating Skills	Creating the Visual Workplace (CORPORATE)	
Risk Management	Effective Presentations Skills for Professionals	Design for Manufacturability (CORPORATE)	
Essential Leadership & Teambuilding Skills for Project Managers	Choosing for Quality (NEW)	How to Implement Lean (NEW)	
Managing Challenged Projects	Time Mastery	Implementing Lean for Administration (CORPORATE)	
PMIP Exam Preparation & Review	How to Handle Critical Conflicts and Critical Paths (NEW)	Implementing Lean for Administration (CORPORATE)	
Microsoft Project 2013 Essentials	Leading an Effective Cross-Functional Team (NEW)	Implementing Lean for Administration (CORPORATE)	
Statistical Management Workshop (CORPORATE)	Leading an Effective Leader (CORPORATE)	Implementing Lean for Administration (CORPORATE)	
Managing the New Product Development Process (CORPORATE)	Introduction to Six Sigma Technical Writing (CORPORATE)	Implementing Lean for Administration (CORPORATE)	
CORPORATE INSTITUTE OF PROJECT MANAGEMENT CERTIFICATE PROGRAM (CIPM)	Introduction to Six Sigma Process Improvement Tools and Concepts	Implementing Lean for Administration (CORPORATE)	
CORPORATE EXTREME PROJECT MANAGEMENT		Implementing Lean for Administration (CORPORATE)	
CORPORATE DESIGN FOR SIX SIGMA INSTITUTE (DFSS) CERTIFICATE PROGRAM — NEW!		Implementing Lean for Administration (CORPORATE)	
FUNDAMENTALS OF BIOMANUFACTURING EVOLVING CERTIFICATE PROGRAM — NEW!		Implementing Lean for Administration (CORPORATE)	
CORPORATE SIX SIGMA PROCESS IMPROVEMENT CERTIFICATE PROGRAM (CSP)		Implementing Lean for Administration (CORPORATE)	
PROCESS IMPROVEMENT CURRICULUM AND CERTIFICATE		Implementing Lean for Administration (CORPORATE)	
Value Stream Mapping		Implementing Lean for Administration (CORPORATE)	
Introduction to Six Sigma Process Improvement		Implementing Lean for Administration (CORPORATE)	
Tools and Concepts		Implementing Lean for Administration (CORPORATE)	

FOR MORE INFORMATION: 300-431-3317 508-431-5456 www.wpi.edu
Worcester Polytechnic Institute

Over 60 Professional Development Offerings & 30 Years Delivering Workshops



Corporate and Professional Education

Professional Development ~ Sample Programs

- Project Management
- Process Improvement
- Leadership and Management Development
- Lean Enterprise
- Geometric Dimensioning and Tolerancing
- Six Sigma
- Medical Device Leadership
- Executive Education



WPI Contacts

- **Lindy Lewandowski**
Associate Director, Business Development
508-831-6792, lindy@wpi.edu
- **Amanda Maurer**
Associate Business Development Manager
508-831-4179, maurer@wpi.edu
- **Website / Main Contact**
www.cpe.wpi.edu
508-831-5517, cpe@wpi.edu

Presentation Review

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We hope you enjoyed
learning about WPI

We look forward to
seeing you in class

