Vision for Academics@WPI

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The Heart of Massachusetts
WPI Accolades

- Winner of the prestigious 2016 Gordon Prize

- #1 Faculty Research & Teaching

- Top 10 study abroad program, four consecutive years: The Princeton Review
Great Outcomes

1 of 17 programs to look for: Internships/Co-Ops
U.S. News & World Report

1 of top 5 colleges that pay you back
Princeton Review (2016)

400+ employers recruit on campus each year

4,000+ mentoring hours for new business ventures
WPI Tech Advisors Network

$67,000 average starting salary, Bachelor’s degree
WPI Class of 2016

$83,000 average starting salary, Master’s degree
WPI Class of 2016
Background and Introduction

• From Princeton to WPI....Institution that best combines all of the things that I value as an academic
  – Scholarship and the scholarship of teaching and learning
  – Theory and practice + Project-Based Learning
  – Global engagement
  – Purpose-driven impact
  – Community

• The past two years at WPI......

• Vision for the next year – Building Community and Elevating the Impact of Academics@WPI
Mission: To use theory and practice to engage in purpose driven education and research

Vision: World-class institution for the training of problem solvers that are ready to work and add value on day one
Global Leader in Project-Based Learning

Integrating research and teaching in undergraduate and graduate programs

- 40+ project centers on six continents
- 50+ academic degree programs
- 4,320 undergraduate students
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- 50+ academic degree programs
- 4,320 undergraduate students
- WINNER of the prestigious 2016 Gordon Prize for innovation in engineering and technology education
- 100% of students receive a global projects scholarship (as of class of 2022)
- 2,063 graduate students

Worcester Polytechnic Institute
Vision: To be a Global Leader in Purpose-Driven Education and Research

Purpose-driven impact is our focus

- Research and innovation
- Education and training for life
- Partnering with industry, government, academia and NGO’s
WPI’s Strategic Research Areas - Focused on Global Challenges

- Health & Biotech
- Robotics & Internet of Things
- Advanced Materials & Manufacturing
- Cyber, Data, & Security
- Learning Sciences

9.3% Increase in Research Funding (2016–17)
Interdisciplinary Education and Research

Strategy for Interdisciplinary/Multi-Disciplinary Research

Interdisciplinary Groups

Materials, Advanced Manufacturing and Mobility
Life Sciences, Biotechnology and HDI
Smart World

Core Values

Identify Group Interests and Opportunities – Research, Education, Outreach

Worcester Polytechnic Institute
Purpose-Driven Strategic Research & Education
Interactions With The Foisie Innovation Center

- New opportunity to link three key components of WPI
  - Maker space
  - Innovation, Value Creation and Entrepreneurial Mindset/Ecosystem
  - Value Creation and Impact on the World

Made @ WPI

I & E @ WPI

Global Impact
Plans for This Academic Year

- Strengthen the core of WPI’s unique undergraduate & graduate programs + workforce development
- Initiate Global School and Institute for Science, Technology & Innovation for Development
- Initiate Cross-cutting Education and Research Institutes – Materials & Manufacturing, Bio-X, Smart World/Computation & Independents
- Develop strategic 5 year academic space plan – work within WPI team on the renovation of old space and plans for new building
Vision for Academics@WPI

- Global Polytechnic
- Strong Student Body
- Strong Faculty & Staff
- Translational Research
- Highly Recognized
- Local/Global Impact
Questions

THANK YOU!

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