

Reshaping Graduate Education in the Building of an Entrepreneurial University

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Background

- Personal
- Purdue



Landscape Changes—Past 40 years

External to Academia

- Sputnik Era
- Public/Private Thinking Transitions
- Value of Ideas vs. Things
- Job Shifts
- Technology Commercialization
- Expectations of State Governments



Changes Internal to Academia

- **Assessments / Reviews - 1980's**
- **Kellogg Commission Reports – 1990's**
- **“Engaged University” Report**

Attributes

- **Responsiveness**
- **Respect for partners**
- **Academic neutrality**
- **Accessibility**
- **Integration**
- **Coordination**
- **Resource Partnerships**



Entrepreneurial University

- **Defines how it does its business**
- **Defines mindset of its
graduates and faculty**



Purdue – Engaging Indiana and Beyond

Goals / Strategies

- **Economic Development / Growth**
- **Enhance P-12 Education**
- **Expand Service & Experiential Learning**
- **Continuing & Professional Education**
- **Quality of Life Improvements**



Opportunities for Graduate Education

- “Workforce”
- Professional Masters
- Certificates
- Joint Degrees
- Distance Delivery
- Corporate Partnerships
- “Tailored” Programs



Economic Development Tools

• **Technical Assistance Program**

- **Manufacturing**
- **Energy**
- **Healthcare**
- **Workforce**

• **Purdue Technology Centers**

- **West Lafayette**
- **Merrillville**
- **Indianapolis**
- **New Albany**

• **Technology Commercialization**

- **Start-ups**
- **Licenses**
- **Intellectual Property Protection**



Economic Development Tools (cont.)

•Discovery Park

- Interdisciplinary Centers
- Business Plan Competitions
- Entrepreneurship Programs
- Venture Fund

•Purdue Center for Regional Development

- Host SBDC's
- EDA Research Center
- GIS related assessments & demographics



P-12 Engagement

•Teachers

- ISTEM Resource Network
- Woodrow Wilson Fellowship Program
- Science Curriculum / Training

•Students

- Science Bound
- Workshops
- College Programs

•Curriculum

- Science
- Mathematics

•Civic Leadership



Service / Exponential Learning

- **EPICS (Engineering Projects in Community Support)**
- **Faculty Grants**
- **Student Grants**



Quality of Life

- **Community Projects**
 - Schools
 - Minority Education
- **Language Translations**
- **Seminars**



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Challenges / Issues in Graduate Education

- **Delivery Methods**
- **Location**
 - **Originator of Instructional Content**
 - **Recipient**
- **Admission Requirements**
- **Credentialing**
- **Ownership of Curriculum**
- **Time to Degree**
- **Costs**



Thank You!

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