



**Engineering Professional Education-MSIE  
Hybrid Fast-track 3/1/1 program**

# New Hybrid Distance Learning Programs

- **Proposal funded by Dean Jameison**
- **MSIE requires 30 credit-hrs or 10 graduate courses**
- **New BS/MSIE 3/1/1 Hybrid Fast Track**

# Purdue IE success stories

- **Internet Analytics**
- **Aviation Fuel Optimization**
- **Entrepreneurships (medical, computer, sports, consulting..)**
- **Intelligent Manufacturing ( \$3Mx16 years)**
- **e-Factory, e-Work, e-HUB, nano-manufacturing**
- **Pioneered Global Supply Chains**
- **Educated Most Top CEOs in Eng.**

# IE subareas

- **Systems Engineering (Health-care delivery, Energy systems, Production, Internet community building, discovery analytics etc.)**
- **Optimization and Simulation**
- **Human Factors (Perception, Visualization, Safety, etc.)**
- **Nanomaterials and Manufacturing**

# Purdue Full Distance Learning

- **No residency requirement**
- **Must apply and be admitted to the Purdue Graduate School**
- **Once admitted, develop a “plan of study” with faculty approval**
- **Receive same diploma as on-campus students**

# Course Delivery

- **Online and on your schedule**
  - **Primarily via streaming video over the internet and downloadable MPEG-4 files**
  - **Must keep current with lectures and assignments**
  - **Communicate with professors via phone, email, chat rooms, etc.**
  - **View online delivery demo**

# Our Students

- **Engineers around the world value Purdue**
  - **Reputation for quality**
  - **Same degrees as on-campus**
  - **World-renowned professors/ researchers**
  - **Flexible options**
  - **Learn at own pace while continuing to work full-time**
  - **Add technical skills for productivity**
  - **Enhance credentials**

**“A Purdue degree stands the test of time.”**

# Values of Purdue MSIE degree

- **Industry ranking #2 in US for Purdue Engineering**
- **Over 100 top companies recruiting IE annually**
- **Internship opportunities**
- **Unlimited times of replaying the lectures**
- **Global, flexible, cost effective.**



## **2012-13 Cost Comparison**

### **MSIE Different Mixes (distance/campus courses)**

<b>Campus 100% (0/10 courses):</b>	<b>US\$ 76214.</b>
<b>Hybrid 40-60% (4/6 courses:3/1/1):</b>	<b>US\$ 62800.</b>
<b>Distance 100% (10/0 courses):</b>	<b>US\$ 33330.</b>

# Purdue MSIE 3/1/1 Hybrid Option

- Education of the future, now
- Freedom, any time any where
- High quality
- Global / on-campus
- Internship possible
- Cost effective
- For future leaders

# MS/MSIE 3/1/1 admission requirement

- *Undergraduate GPA: 3.3 or better*
- *Graduate Record Examination (GRE):*  
at minimum, a score of 145 (verbal), 155 (quantitative), and 3.5 (analytical writing).
- *TOEFL for Non-Native English Speakers:*  
Paper-Based Test (PBT) -required minimum: 570  
Internet-Based Test (IBT) - required minimum: 77,  
with the following minimum section requirements:  
Reading: 19 , Listening: 14 , Speaking: 18 , Writing: 18
- *Or IELTS (Academic Module) - an alternative to the TOEFL*  
Required minimum: 6.5
- *Or Pearson Test of English (PTE) (Academic Module):*  
An alternative to the TOEFL, scores of 58 or higher will be accepted
- *TWE for Non-Native English Speakers:*  
Recommended minimum: 4.5
- *Application deadline: 1/5 in the senior year*

# Purdue MS Fast Track 3/1/1 For Outstanding Juniors

- **BS(partner university)/MS(Purdue) two degrees in 5 years- saving one year of time and living expenses**
- **Getting TOEFL and GRE ready in the summer following junior year**
- **Apply by juniors to partner university by 4/15 to be recommended to Purdue**
- **Apply also to Purdue IE by 4/30 using a simple form**
- **Start to take 4 distance courses courses in Fall and Spring semesters for in senior year if selected**
- **Apply and take the remaining 6 graduate courses at Purdue with satisfied requirements**
- **Practical training allowed for one year**

# Application Deadlines

## summary

- **Hybrid MS 3/1/1 Fast-Track (simple form):**
  - (1) by 4/15 to be selected by home university,
  - (2) by April 30 (junior year) apply to Purdue IE
  - (3) by next January 5 (senior year) to apply using Purdue Graduate School website

# Purdue MS Fast Track 3/1/1 For Outstanding Juniors

- 1. The student (junior, GPA>3.3) applies to the home university by 4/15. Those recommended by the home university applies to the Purdue 3/1/1 program with all needed documents by 4/30 of their undergraduate junior year using a simple form without GRE scores, TOEFL, etc.
- 2. The IE graduate committee determines whether to accept the person into the 3/1/1 program. If so, the person is sent a letter indicating the acceptance by June 30.
- 3. The student will be allowed by Purdue International Office (ISS) to apply (\$50.00) by August 1 to enroll in undergraduate non-degreed program to complete four IE graduate courses by distance.
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# Purdue MS Fast Track 3/1/1 For Outstanding Juniors

- **4. In their senior year, the student pays the \$75 application fee and submits a graduate application by the deadline of January 5.**
- **5. The IE graduate committee will recommend them for conditional admission to the M.S. program in Industrial Engineering subject to B grade or better for each distance course; the distance courses would transfer in as graduate credit.**