Penn State University

Engineering Entrepreneurship (E-SHIP) Minor

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Program Mission Statement:

deliver a dynamic, interdisciplinary minor which inspires and prepares students to be world-class technology business innovators and leaders.
Key Audience:
Undergraduate students in business, engineering, IST

Number of Faculty:
Tenured/tenure track: 5
Non-tenure track: 6

Number of Courses Offered:
12 per year
Average # students/semester in courses = 165
Program Highlight #1

Minor involves six courses (18 credits), including a “cross-skills” course:

- **Engineering and IST students** must take *Business Basics* (finance/accounting, marketing, business law and IP management)
- **Business students** must take *Intro. to Engineering Design* (CAD training, open-ended engineering design/prototyping projects)
Program Highlight #2

Two NCIIA grants:
- E-SHIP Venture Fund (2002-05)
  > resources for student e-teams for rapid prototyping, materials & E-SHIP competitions

- Pilot course (2003-04):
  Market-Pull Technology Commercialization
  > cross-listed in and co-taught by business + engineering
  > inventions from Hershey Medical Center
Program Highlight #3

First successful student companies

- DiamondBack Automotive Accessories
  - Rugged diamond plate truck bed cover; patent pending
- LionMenus.com
  - Web support for take-out restaurants at PSU; alliances in process for nationwide coverage