

IUPUI Technology Department and Program Realignment for Strategy and Sustainability

In support of the E&T Strategic Plan, Purdue Technology Departments and Programs in the School of Engineering and Technology at IUPUI are being realigned. The new structure, effective July 2012, includes several strengths to leverage.

Department of Engineering Technology

Programs:

- Biomedical Engineering Technology
- Architectural Technology
- Computer Engineering Technology
- Construction Engineering Management Technology
- Interior Design Technology
- Electrical Engineering Technology
- Mechanical Engineering Technology
- Motorsports Engineering
- M.S. in Technology (primarily Facilities Management specialization)
- Related Certificate programs

Strengths to leverage:

- Organizes engineering technology and related programs in one department structure
- Builds on a longstanding strength of providing technology education to students and other stakeholders
- Creates a portfolio of distinct-yet-related programs that serve well-defined academic, economic development, employment, and professional needs of Central Indiana region and beyond
- Provides critical mass and political clout to engineering technology and related programs by having a large department structure
- Reintroduces complementary programs (ART and INTR) into the department portfolio for synergies with other programs (CEMT and Facilities Management)
- Permits interdisciplinary endeavors in discipline-specific research, the scholarship of teaching and learning, and the scholarship of service and civic engagement

Department of Computer Information and Graphics Technology

Programs:

- Computer Graphics Technology
- Computer Information Technology
- M.S. in Technology (primarily IT specialization)
- Related Certificate programs

Strengths to leverage:

- Consolidates CAC of ABET, Inc. accredited programs in one department
- Promotes interdisciplinary efforts between these programs
- Uses experiential learning and civic engagement through Living Lab and Technical Assistance Program

- Provides a basis for differentiation among crowded providers of IT education
- Ensures sustainability of IT undergraduate education within E&T by building critical mass between complementary programs
- Creates potential efficiencies in lab-space through cross-listing, collaboration, and class scheduling
- Decreases overhead on computer replacement in lab spaces as both programs move to laptop requirement for students
- Integrates Industrial Advisory Boards that are highly compatible

Department of Technology Leadership and Communication

Programs:

- Organizational Leadership and Supervision
- Technical Communications
- M.S. in Technology (primarily Technology Leadership and STEM Education specializations)
- Related Certificate programs

Strengths to leverage:

- Consolidates similarly-oriented programs stressing technology-based leadership, team development, education/workforce development, and communication under one umbrella department
- Generates significant service credit hours within E&T and across IUPUI
- Provides a platform for veteran and adult learner initiatives within E&T
- Contributes to academic skill development desired by employers, accreditors, and other stakeholders
- Creates an infrastructure to offer traditional and executive/accelerated M.S. programming through on-campus, online, and off-site distribution channels (e.g., Greenwood; Park 100)
- Provides sufficient revenue cross-subsidies to other programs/departments within E&T
- Uses an exceptionally robust pool of academically- and professionally-qualified adjunct/part-time talent to capitalize on variable teaching needs
- Builds on a proven track-record of success