

EPICS

*2012 EPICS Workshop
Integrating Design and Community Engagement within the Curriculum
May 30 - June 1, 2012
Purdue University, West Lafayette, Indiana*

EPICS is a curricular approach in which multi-disciplinary design teams address needs within local and global communities. EPICS was created at Purdue University and has been adopted at more than 20 universities and colleges, engaging students from their first-year through senior year and even capstone design.

Data from current EPICS programs has shown enhanced learning of design and professional skills. Early participation in EPICS has also been correlated with increased retention in engineering. The successes of have been recognized within Engineering Education by the National Academy of Engineering with the Bernard M. Gordon Prize, ASEE with the Chester Carlson Award and NSF through NSF Corporate Foundation Alliance as an Exemplary Program. It has also been recognized within Service-Learning with the Thomas Ehrlich Award and the Associate for Public and Land Grant Universities as an Exemplary Program.

What does it mean to be an EPICS Program? To be an EPICS Program, universities must strive to meet the Core Values of EPICS Programs:

1. EPICS students earn academic credit for participation in team-based design projects that solve engineering, computing, and technology-based needs in the local community;
2. EPICS teams provide service to the local community by partnering with not-for-profit community organizations, educational institutions, and governmental agencies; and
3. EPICS programs support these reciprocal local partnerships over multiple years without obligation for remuneration to EPICS.

Becoming a part of the EPICS program provides many benefits! The network of EPICS universities:

- Provides a support structure for individual EPICS programs through:
 - Resources for faculty starting and developing programs
 - Sharing of best-practices amongst EPICS faculty
 - Templates of materials and documents
- Facilitates collaboration for funding of multiple programs and/or initiatives and sharing of resources
- Has broader impact on both student learning and community engagement by working together!

So whether you are interested in becoming part of the EPICS program, or want to learn how you can integrate design and community engagement in your curriculum, the EPICS Workshop will provide information, tools, and resources needed to get an EPICS program up and going. It will be facilitated by the directors of EPICS with experience from more than 50 faculty workshops on EPICS, service-learning and design. Topics include course/curriculum, capstone courses, entrepreneurship, partnerships, institutional support, and assessment, evaluation. The workshop will actively engage participants to learn the principles and include presentations, discussions and individual reflections so that participants can develop a customized plan that can be applied to their own institution.

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Who should attend? Current and future faculty and instructors and partners interested in:

- Human-Centered Design and Design Learning
- Multidisciplinary Teaming and Leadership
- Service-Learning and Community Engagement (local, national or global)
- Development of Professional Skills
- Diversity, Student Engagement and Retention
- Sustaining Design Projects Across Multiple Semesters or Years
- Initiating and Sustaining Curricular Change
- Assessing Multidisciplinary Design Team

Date: May 30-June 1, 2012

Where: Purdue University, West Lafayette, Indiana

Cost: The workshop registration is free but registration is REQUIRED.

Participants are expected to cover their travel and lodging costs. A room block is available on Purdue's Campus at the Purdue Memorial Union. Meals during the workshop are included with registration. The workshop is supported by the endowment from the National Academy of Engineering's Bernard M. Gordon Prize for Innovation in Engineering and Technology Education.

Registration: Registration: Send an email to epics.university@purdue.edu with the subject line EPICS 2012 Workshop Participation and the following information in the body of the email:

- Name
- Current Position and Role at Your Institution
- Why are you interested in the workshop?
- How do you see using the results of the workshop?

Draft Agenda

<i>Wednesday, May 30, 2012</i>	<i>Thursday, May 31, 2012</i>	<i>Friday, June 1, 2012</i>
<p><i>1:00 p.m. Workshop begins</i></p> <ul style="list-style-type: none"> • Introduction and overview of the EPICS Model <ul style="list-style-type: none"> ○ Service-Learning ○ Human Centered Design • Matching EPICS to Institutional Needs and Constraints • Getting started • Course and curriculum • Networking Dinner (Included with registration) 	<ul style="list-style-type: none"> • Continental Breakfast • Assessing student learning • Research findings and opportunities • EPICS programs • Administering EPICS • Lunch and Discussion • Developing partnerships • Building institutional support • Overcoming barriers • Applying to your own institution • Networking Dinner and Discussion 	<ul style="list-style-type: none"> • Continental Breakfast • Reflection and feedback on individual plans • Partnership and Opportunities with EPICS and its partners. • Closing <p><i>Adjourn no later than noon with box lunched provided</i></p>