

COMMISSION FOR HIGHER EDUCATION

Friday, December 11, 2009

DECISION ITEM A-1: **Bachelor of Science in Engineering Technology To Be Offered by Purdue University West Lafayette via Statewide Technology at Anderson (Madison County), Kokomo (Howard County), Richmond (Wayne County), and South Bend (St. Joseph County)**

Staff Recommendation

That the Commission for Higher Education approve the Bachelor of Science (B.S.) in Engineering Technology to be offered by Purdue University West Lafayette via Statewide Technology at Anderson (Madison County), Kokomo (Howard County), Richmond (Wayne County), and South Bend (St. Joseph County), in accordance with the background discussion in this agenda item and the *Abstract*, November 25, 2009; and

That the Commission recommend no new state funds, in accordance with the supporting document, *New Academic Degree Program Proposal Summary*, November 25, 2009

Background

Soon after the program proposal was received in July of this year, Purdue University, Ivy Tech Community College, and Commission staff began meeting on a regular basis to discuss what articulation options might be developed for Ivy Tech associate degree students and what plans the Purdue College of Technology had for emphasizing baccalaureate programs and de-emphasizing associate degree programs as part of its Statewide Technology offerings. These discussions, while continuing, have yielded fruitful results and provide a sound foundation for proceeding with action on the B.S. in Engineering Technology program proposal, which would enable the new baccalaureate programs to be offered in the fall.

As a result of the collaborative efforts between Purdue and Ivy Tech, a curriculum has been developed for a new Ivy Tech associate degree program, for which the College is expected to seek authorization from the Commission in the near future. A full articulation agreement between this new associate degree and the proposed B.S. in Engineering Technology is almost complete, with only three or four course equivalencies remaining to be finalized.

In addition to expectations regarding the offering of the B.S. in Engineering Technology program, the joint Purdue-Ivy Tech discussions have also yielded a comprehensive and complex understanding about how Purdue University would coordinate its phase-out of Statewide Technology associate degrees with Ivy Tech plans to expand its capacity to offer associate degree programs. An important principle guiding these discussions has been to share information regarding the optimal mix of programs needed to meet the employment needs of different parts of the state. A corollary principle is to coordinate implementation of these collaborative plans so as to ensure no disruption of the stream of new associate degree graduates needed to support business and industry in particular markets around the state.

Purdue, Ivy Tech, and Commission staff will continue to meet on a regular basis to further detail the timing of phase-in and phase-out plans and to monitor progress as new programs become available. In the coming months, Purdue University is expected to seek authorization to offer the B.S. in Engineering Technology through Statewide Technology at additional sites.

Supporting Documents

- (1) *Abstract – Bachelor of Science in Engineering Technology To Be Offered by Purdue University West Lafayette via Statewide Technology at Anderson (Madison County), Kokomo (Howard County), Richmond (Wayne County), and South Bend (St. Joseph County), November 25, 2009*
- (2) *New Academic Degree Program Proposal Summary – November 25, 2009*

Abstract

Bachelor of Science in Engineering Technology
To Be Offered by
Purdue University West Lafayette via Statewide Technology at
Anderson (Madison County), Kokomo (Howard County),
Richmond (Wayne County), and South Bend (St. Joseph County)

November 25, 2009

Objectives: To provide graduates for existing and emerging jobs and careers in engineering technology.

Clientele to be Served: Full- and part-time students at the above mention locations. This includes those who desire preparation for entry into Indiana's diverse engineering and technology industries and those currently working in the field who desire career advancement and/or maintenance of their expertise within engineering technology fields.

Curriculum: A total of 124 semester credit hours are required to complete the program, distributed as follows:

General Education Courses (46 credit hours)

- English and Communication (15)
- Math and Statistics (11)
- Science (8)
- Economics (3)
- Humanities/Liberal Arts/Electives (6)
- Global, Cultural, or Diversity Selective (3)

Required Technical Core Courses (51 credit hours)

Technology Selective Courses (18 credit hours)

Electives (9 credit hours)

Employment Possibilities: The broad curriculum of the program will provide typical entry-level position titles that include industrial engineer, operations manager, production manager, quality assurance engineer, sales engineer, and systems integrator. Other jobs will include general management, service-related management, and transportation/logistics.

NEW ACADEMIC DEGREE PROGRAM PROPOSAL SUMMARY

November 25, 2009

I. Prepared by Institution

Institution/Location: Purdue University West Lafayette to be offered via Statewide Technology at Anderson (Madison County),
 Kokomo (Howard County), Richmond (Wayne County), and South Bend (St. Joseph County)
 Program: B.S. in Engineering Technology

	Year 1 FY2010	Year 2 FY2011	Year 3 FY2012	Year 4 FY2013	Year 5 FY2014
Enrollment Projections (Headcount)					
Full-Time	10	27	60	89	124
Part-Time	17	40	57	73	82
Total	27	67	117	162	206
Enrollment Projections (FTE)					
Full-Time	10	27	60	89	124
Part-Time	8	20	23	35	41
Total	18	47	83	124	165
Degree Completions Projection	0	0	18	52	86
New State Funds Requested (Actual) *	235,640	432,920	432,920	432,920	432,920
New State Funds Requested (Increases) *	235,640	197,280	-0-	-0-	-0-

II. Prepared by CHE

New State Funds To Be Considered For Recommendation (Actual) *	235,640	432,920	432,920	432,920	432,920
New State Funds To Be Considered For Recommendation (Increases) *	235,640	197,280	-0-	-0-	-0-

CHE Code: 09-33
 Campus Code: 1825
 County: Madison, Howard, Wayne, St. Joseph
 Degree Level: 05
 CIP Code: Federal – 150000; State – 150000

Comment: Budget calculations are based on the assumption that Year 1 = FY2010.

* Excludes new state dollars that may be provided through enrollment change funding.