

# COMMISSION FOR HIGHER EDUCATION

Thursday, May 8, 2013

## DECISION ITEM B:

### **Bachelor of Science in Civil Engineering To Be Offered by Purdue University North Central at Westville**

#### **Staff Recommendation**

That the Commission for Higher Education approve the Bachelor of Science (B.S.) in Civil Engineering to be offered by Purdue University North Central at Westville, in accordance with the background discussion in this agenda item and the *Program Description*.

#### **Background**

The Academic Affairs and Quality Committee discussed this program on February 13, 2013 and reacted favorably to the proposal. Committee members and staff felt it appropriate to bring the program to the Commission for action as an expedited item.

Subsequent to the Committee meeting, some issues surfaced regarding the articulation agreement between the University and Ivy Tech Community College, leading staff to request that the University work with the College to resolve these issues before the program came to the Commission for action. These issues have now been resolved and a new, fully satisfactory articulation agreement has been signed.

**Similar Programs in Indiana.** According to the Independent Colleges of Indiana (ICI) web site, there are five Civil Engineering programs at the baccalaureate level in the ***independent*** or private not-for-profit sector (Rose-Hulman Institute of Technology, Trine University, University of Evansville, University of Notre Dame, and Valparaiso University).

The Board for Proprietary Education (BPE) data base indicates there are no baccalaureate-level Civil Engineering programs in the ***proprietary*** or private for-profit sector.

Within the ***public*** sector, there are three Civil Engineering programs at the baccalaureate level, which graduated a total of 186 students in FY2012:

<u>Campus</u>	FY 2012 <u>Bachelor's Graduates</u>
IPFW	8
Purdue Calumet	12
Purdue West Lafayette	166
Total	186

**Related Programs at Purdue North Central.** In November 2007, the Commission for Higher Education approved a B.S. in Mechanical Engineering for the North Central campus, which was followed by approval of a B.S. in Electrical Engineering in March 2011. In FY2011, the B.S. in Mechanical Engineering program enrolled 67 headcount or 55 FTE students and produced its first nine graduates.

Purdue North Central also has three Associate of Science (A.S.) degrees in engineering technology fields, which together graduated a total of 37 students: Building Construction Management (11 graduates), Electrical Engineering Technology (17), and Mechanical Engineering Technology (9). It would be appropriate to revisit the rationale for these three A.S. programs.

**IWIS Analysis.** Wage data were extracted from IWIS on Indiana residents who graduated in FY2011 from public university baccalaureate Civil Engineering programs and who were employed in Indiana in industries included in IWIS. The average annual earnings one year after graduation for these graduates was \$45,939 in 2011. Not surprisingly, almost three-quarters of the graduates identified in IWIS were working in “agricultural, engineering, and related services.”

**Exception to Standard Credit Hour Expectation.** This program requires students to complete a total of 128 semester credit hours, which exceeds the standard credit hour expectation of 120 credits for baccalaureate programs. However, the University plans to seek accreditation for this program from ABET, which is a justifiable reason for exceeding the standard credit hour expectation.

**Concluding Points.** Finally, while approving selected baccalaureate degree programs at IU and Purdue regional campuses is consistent with the Commission’s strategic vision for these campuses, it is unclear how this particular program fits into the Commission’s challenge to the IU and Purdue University regional campuses to provide greater access to programs through collaboration and common curricula. However, discussions with Purdue University continue

regarding a comprehensive, strategic vision for the regional campuses regarding both new and existing degree programs.

**Supporting Documents**

*Program Description* – February 1, 2013

**NEW ACADEMIC DEGREE PROGRAM PROPOSAL SUMMARY**

February 1, 2013

Institution/Location: Indiana University East to be offered at Richmond

Program: M.A. in English

	Year 1 FY2012	Year 2 FY2013	Year 3 FY2014	Year 4 FY2015	Year 5 FY2016
<b>Enrollment Projections (Headcount)</b>					
Full-Time	0	0	0	0	0
Part-Time	0	0	0	0	0
<b>Total</b>	<b>24</b>	<b>38</b>	<b>52</b>	<b>66</b>	<b>75</b>
<b>Enrollment Projections (FTE)</b>					
Full-Time	0	0	0	0	0
Part-Time	0	0	0	0	0
<b>Total</b>	<b>22</b>	<b>34</b>	<b>46</b>	<b>58</b>	<b>65</b>
<b>Degree Completions Projection</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>12</b>
CHE Code: 12-12					
Campus Code: 1811					
County: Wayne					
Degree Level: Master					
CIP Code: Federal - 230101; State - 230101					