

**APPROVED**  
**MARCH 5, 2019**

Item #D-1  
March 5, 2019

## **NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES**

**Submitted for:** Action.

**Summary:** This item requests approval of two new associate degree programs to be offered at two community colleges.

**Action Requested:** That the Illinois Board of Higher Education approves the following programs at the colleges indicated:

Illinois Valley Community College

- Associate of Applied Science in Cybersecurity

Wabash Valley College

- Associate of Applied Science in Physical Therapy Assistant



STATE OF ILLINOIS  
BOARD OF HIGHER EDUCATION

**NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES**

By statute, the Illinois Board of Higher Education (IBHE) is responsible for approving new associate degree programs proposed by public community colleges. The Board's approval criteria, defined in administrative rules, address relevance to college mission, academic control, faculty and staff, support services, financial resources, student demand, employer demand, curriculum, and congruence with IBHE policies and priorities. Before a recommendation for approval of an associate degree program is submitted to the IBHE for approval, staff of the IBHE and the Illinois Community College Board review the proposal. Once agreement is reached on a proposal having met the approval criteria, a recommendation for approval is presented to each board.

**Executive Summary**

Illinois Valley Community College

- Associate in Applied Science in Cybersecurity

Illinois Valley Community College is seeking approval for a 60 credit hour Associate in Applied Science in Cybersecurity. This degree was designed to provide students with hands-on experience in cybersecurity and the opportunity to earn industry recognized certifications such as Security+ to be competitive in the labor market. The degree program requires 16 credit hours of general education coursework and 44 credit hours of required career and technical education coursework, which includes work-based learning. Graduates will be prepared for entry-level employment in the cybersecurity industry. There are policies in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. The College has sufficient library, technology, staff, and financial resources in place to support the proposed program.

Approval request summary, including staff conclusion, follows in Attachment A.

Wabash Valley College

- Associate in Applied Science in Physical Therapy Assistant

Wabash Valley College is seeking approval for a 71 credit hour Associate in Applied Science in Physical Therapy Assistant. The program was designed to prepare students in the theory and hands-on applications required to gain entry-level employment opportunities in the Physical Therapy Assistant (PTA) fields of study. The Commission on Accreditation for Physical Therapy Education (CAPTE) sets forth curricular standards for PTA programs and the curriculum was aligned to those standards. The degree program requires 17 credit hours of general education coursework and 54 credit hours of required career and technical education coursework, which includes work-based learning. Graduates will be prepared to take the National Physical Therapy exam for licensure as a physical therapy assistant. There are policies in place to ensure faculty

members possess the training, credentials, and qualifications to provide instruction in the proposed program. The College has sufficient library, technology, staff, and financial resources in place to support the proposed program.

Approval request summary, including staff conclusion, follows in Attachment B.

The staff recommends adoption of the following resolutions:

*The Illinois Board of Higher Education hereby grants authority to Illinois Valley Community College to offer the Associate in Applied Science in Cybersecurity subject to the institution's implementation and maintenance of the conditions that were presented in its application and that form the basis upon which this authorization is granted.*

*The Illinois Board of Higher Education hereby grants authority to Wabash Valley College to offer the Associate in Applied Science in Physical Therapy Assistant subject to the institution's implementation and maintenance of the conditions that were presented in its application and that form the basis upon which this authorization is granted.*

**Illinois Valley Community College**  
**815 North Orlando Smith Avenue**  
**Oglesby, IL 61348-9691**  
**President: Dr. Jerry Corcoran**

**Proposed Program Title:** Associate in Applied Science in Cybersecurity (60 credit hours).

### **Program Purpose**

The proposed program will prepare individuals for entry-level employment in the field of Cybersecurity.

### **Catalog Description**

The program is designed to prepare students to enter the workforce in the cybersecurity industry. This degree was designed to provide students with hands-on experience in cybersecurity and the opportunity to earn industry recognized certifications such as Security+ to be competitive in the labor market. Graduates will be prepared for entry-level employment in the cybersecurity industry.

### **Curricular Information**

The degree program requires 16 credit hours of general education coursework and 44 credit hours of required career and technical education coursework which includes work-based learning. Career and technical coursework includes instruction in orientation to the Information Technology (IT) profession, network administration I and II, core networking technologies, network routing, Microsoft Office Professional I, Unix Operating systems, comprehensive Windows, digital forensics, ethical hacking, managing information security, Security+, cybersecurity scripting, PC troubleshooting, upgrade and repair, and an internship in cybersecurity. The program will also prepare students for an optional Security+ certification through CompTIA. Assessment of student learning will be achieved through evaluation of the student's performance during their work-based learning experience and through a comprehensive simulation exam.

### **Accrediting Information**

Program accreditation is not required; however the curriculum was developed to include preparation for Security+ certification, an industry credential.

### **Supporting Labor Market Data (including employer partners)**

Labor market information provided by the college supports the interest in and the need for a two-year degree program in this field of study. According to the Illinois Department of Employment Security, overall growth in employment of network and information security-related occupations is expected to increase by nearly 23 percent statewide through 2026.

Table 1: Employer Partners

<b>Employers</b>	<b>Location</b>
Carus Chemical Corporation	LaSalle, IL
Del Monte Foods Corporation	Mendota, IL
Marquis Energy	Hennepin, IL
LMK Technologies	Ottawa, IL
Computer Spa	Ottawa, IL
Connecting Point	Peru, IL
Starved Rock Country Software Solutions	Oglesby, IL
Test Point II Technologies	Wyanet, IL
Financial Plus Credit Union	Ottawa, IL
Eureka Savings Bank	LaSalle, IL
Illinois Valley Community Hospital	Peru, IL
OSF Healthcare	Ottawa, IL
Perry Memorial Hospital	Princeton, IL
Ottawa Township High School	Ottawa, IL
LaSalle-Peru Township High School	LaSalle, IL
LaSalle Peru Area Career Center	LaSalle, IL
Starved Rock Assoc. for Vocation & Tech Ed	LaSalle, IL
Hometown National Bank	LaSalle, IL
Heartland Bank & Trust Company	Princeton, IL

Table 2: Projected Enrollments

<b>Cybersecurity AAS</b>	<b>First Year</b>	<b>Second Year</b>	<b>Third Year</b>
<b>Full-Time Enrollments:</b>	5	8	10
<b>Part-Time Enrollments:</b>	2	3	4
<b>Completions:</b>	0	5	8

### Financial / Budgetary Information

The program will require one new full-time and one existing full-time faculty to implement the program. Full-time faculty qualifications are a bachelor's degree in Information Technology, three years of work experience in a field related to cybersecurity, and one year teaching experience is preferred. All facilities are adequately in place to support the program. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	<b>First Year</b>	<b>Second Year</b>	<b>Third Year</b>
<b>Faculty Costs</b>	\$51,000	\$54,840	\$54,840
<b>Administrator Costs</b>	0	0	0
<b>Other Personnel Costs</b>	0	0	0
<b>Equipment Costs</b>	0	0	0
<b>Library/LRC Costs</b>	0	0	0
<b>Facility Costs*</b>	0	0	0
<b>Other (specify)</b>	0	0	0
<b>TOTAL NEW COSTS</b>	\$51,000	\$54,840	\$54,840

*Table 4: Faculty Requirements*

	<b>First Year</b>		<b>Second Year</b>		<b>Third Year</b>	
	<u>Full-Time</u>	<u>Part-time</u>	<u>Full-Time</u>	<u>Part-time</u>	<u>Full-Time</u>	<u>Part-time</u>
<b>New Faculty</b>	1	0	0	1	0	1
<b>Existing Faculty</b>	1	0	2	0	2	1

**Staff Conclusion**

Illinois Valley Community College and its proposed program meet the criteria to implement the Board of Higher Education Act (110 ILCS 205) as set forth in 23 Ill. Adm. Code 1050.30 and the Illinois Board of Higher Education policies pertaining to assessment and accreditation for licensure.





**Wabash Valley College**  
**2200 College Drive**  
**Mt. Carmel, IL 62863-2657**  
**President: Dr. Matt Fowler**

**Proposed Program Title:** Associate in Applied Science in Physical Therapy Assistant (71 credit hours)

### **Program Purpose**

The proposed degree program will prepare graduates for entry-level employment, national credentialing and State licensure as a physical therapy assistant.

### **Catalog Description**

This degree will prepare students for a career in the physical therapy field as a physical therapy assistant (PTA). The program focuses on the theory and hands-on applications required to gain entry-level employment opportunities in the Physical Therapy Assistant (PTA) fields of study. Graduates of the Associate of Applied Science degree program may apply to take the National Physical Therapy exam (NPTE) for licensure as a physical therapy assistant.

### **Curricular Information**

The degree program requires 17 credit hours of general education coursework and 54 credit hours of required career and technical education coursework which includes work-based learning. Career and technical coursework includes instruction in patient care skills and intervention, musculoskeletal rehabilitation, functional anatomy and biomechanics, multiple systems rehabilitation, neuromuscular rehabilitation, PTA pathophysiology, PTA clinical experience, PTA field experience, and career preparation for the PTA student.

The curriculum was developed according to standards that will prepare students for national certification and State licensure. The Commission on Accreditation for Physical Therapy Education (CAPTE) sets forth curricular standards for PTA programs. Students who complete the program will be prepared for the National Physical Therapy exam (NPTE) through the Federation of State Boards of Physical Therapy. Assessment of student learning will be achieved through evaluation of the student performance during their work-based clinical practical experience and achievement on a NPTE practice exam.

### **Justification for Credit hours required for the degree**

Content and subsequent credit hours required in the proposed curriculum meet requirements for program accreditation and student certification/licensure. The curriculum was developed in compliance with the Illinois Physical Therapy Act to include a minimum of 29 credit hours in specific life sciences and 680 contact hours of clinical education. The proposed program falls within the range of credit hours for like programs being offering at other Illinois community colleges. General education credit hours exceed the 15 credit hours minimum required by the Illinois Community College Board (ICCB) Administrative Rules as a result of a five credit hour chemistry course.

## Accrediting Information

Program accreditation is required for graduates of educational programs to be eligible for national certification and State licensure. CAPTE accredits PTA programs. The college plans to seek accreditation once the program has been approved by both ICCB and Illinois Board of Higher Education. No students can be enrolled until after the program is approved by all State Boards, a full-time program director is hired, and CAPTE begins its review process.

## Supporting Labor Market Data (including employer partners)

Labor market information provided by the college supports the interest in and the need for a two-year degree program in this field of study. According to the Illinois Department of Employment Security, overall growth in employment of “physical therapy assistants” and “physical therapy aides” is expected to increase by between 18 to 20 percent statewide through 2026.

*Table 1: Employer Partners*

<b>Employers</b>	<b>Location</b>
Wabash General Hospital	Mt. Carmel, IL
Deaconess Hospital-Gibson Central	Princeton, IN
Mt. Carmel High School	Mt. Carmel, IL
Area Economic Alliance	Mt. Carmel, IL

*Table 2: Projected Enrollments*

<b>Physical Therapy Assistant AAS</b>	<b>First Year</b>	<b>Second Year</b>	<b>Third Year</b>
Full-Time Enrollments:	24	48	50
Part-Time Enrollments:	0	0	0
Completions:	0	24	24

## Financial / Budgetary Information

One new full-time, one new part-time faculty, and one existing full-time faculty will be necessary to implement the program. Full-time faculty qualifications are a master’s degree in Physical Therapy, licensure as a Physical Therapist or PTA, three years of related work experience, and two years teaching experience. Part-time faculty qualifications are at least an associate’s degree in Physical Therapy Assisting, PTA licensure, one year related work experience, and one year teaching experience. All facilities are adequately in place to support the program. Some funds are budgeted to provide equipment and supplies specific to the PTA program. The program will otherwise be fiscally supported through student tuition and fees.

*Table 3: Financial Information*

	<b>First Year</b>	<b>Second Year</b>	<b>Third Year</b>
Faculty Costs	\$85,000	\$164,925	\$170,027
Administrator Costs	0	0	0
Other Personnel Costs (Admin Support)	\$32,000	\$32,800	\$33,664
Equipment Costs	\$11,200	\$11,224	\$1,248
Library/LRC Costs	0	0	0
Facility Costs*	0	0	0
Other (travel)	\$300	\$300	\$450
<b>TOTAL NEW COSTS</b>	<b>\$128,500</b>	<b>\$209,249</b>	<b>\$205,389</b>

*Table 4: Faculty Requirements*

	<b>First Year</b>		<b>Second Year</b>		<b>Third Year</b>	
	Full-Time	Part-time	Full-Time	Part-time	Full-Time	Part-time
New Faculty	1	1	0	0	0	1
Existing Faculty	1	0	2	1	2	2

**Staff Conclusion**

Wabash Valley College and its proposed program meet the criteria to implement the Board of Higher Education Act (110 ILCS 205) as set forth in 23 Ill. Adm. Code 1050.30 and the Illinois Board of Higher Education policies pertaining to assessment and accreditation for licensure.

