

**APPROVED  
MARCH 13, 2018**

Item #IV-1  
March 13, 2018

## **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 Agronomy

Lewis and Clark Community College

- Associate of Applied Science in Web Design and Development



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 of Applied Science in Agronomy

Illinois Valley Community College is seeking approval to offer a 60 credit hour Associate of Applied Science in Agronomy. The program will prepare individuals for entry-level employment as supervisors, or for self-employment, in both the business and the production side of the agriculture industry. The program will also provide individuals currently working in the field with an educational credential which may lead towards advancement. 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.

Lewis and Clark Community College

- Associate of Applied Science in Web Design and Development

Lewis and Clark Community College is seeking approval to offer a 60 credit hour Associate of Applied Science in Web Design and Development. The program will prepare individuals for entry-level employment in Web design and animation, front-end and programming, Web marketing analysis, and content development. 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 of Applied Science in Agronomy 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 Lewis and Clark Community College to offer the Associate of Applied Science in Web Design and Development 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 Road**  
**Oglesby, IL 61348-9692**  
**President: Dr. Jerry Corcoran**

**Proposed Program Title:** Associate of Applied Science in Agronomy (60 credit hours)

### **Program Purpose**

The Associate of Applied Science in Agronomy (AAS) degree program will prepare individuals for entry-level employment as supervisors, or for self-employment, in both the business and the production side of the agriculture industry. The program will also provide individuals currently working in the field with an educational credential which may lead towards advancement.

### **Catalog Description**

The AAS in Agronomy prepares students for employment or self-employment in the crop production, utilization, and management career fields. Agronomy students apply science and technology to crop production techniques to produce or manage food, feed, fiber, and fuel. Students in agronomy study the latest in agricultural technology, sales and marketing techniques, crop growth and development, crop pest management, soil sciences, and develop management skills essential in the agronomy industry. Students with an AAS in Agronomy from Illinois Valley Community College can find employment in the agricultural input sector, production, or management professions.

### **Curricular Information**

The degree program requires 15 credit hours of general education coursework, 42 credit hours of required career and technical coursework, and three credit hours of technical electives. The career and technical component includes instruction in introductory field crop science, introductory agricultural economics, introductory agricultural mechanics, agricultural microcomputer applications, introductory soil science, introductory agricultural business management, introductory precision agriculture, crop production and management, soil fertility and fertilizers, agricultural sales, a required work-based learning experience in agriculture, and the option for related technical electives in agriculture, electronics, welding, industrial maintenance, or manufacturing. Assessment of student learning will be achieved through evaluation of the student's performance during the work-based learning experience by program faculty and work-site supervisor.

### **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 occupations related to the Agriculture industry is expected to increase by six percent statewide through 2024. The college offered agriculture programs in the late 1980s and 1990s but were discontinued due to lack of interest. According to research done by the college, the local environment and status of the agriculture industry is significantly different than it was 20 to 30 years ago. The college established a program advisory committee to explore the potential interest in a degree program in this field and the support for graduates by local employers. The support was overwhelmingly positive and in favor of developing an applied program that would lead to employment. The resulting degree is a reflection

of the college's efforts to design a program that would prepare students for entry-level or self-employment and support the local workforce. Table 1 highlights the potential employer partnerships for this new degree program and Table 2 projects the enrollments and completions for the next three years.

*Table 1: Employer Partners*

<b>Employers</b>	<b>Location</b>
Archer Daniels Midlands (ADM)	Mendota, IL
Monsanto Company	Princeton, IL
Pioneer Hi-Bred International	Princeton, IL
GAINCO FS, Inc.	Ottawa, IL
Lukach Seed Sales	Tonica, IL
Seatonville Elevator	Seatonville, IL
Pfister Seed Company	El Paso, IL
FBFM Farm Management	Springfield, IL
Central Illinois Equipment Sales	Hennepin, IL
Consolidated Grain & Barge Company	Hennepin, IL
LaSalle County Farm Bureau	Ottawa, IL
Bureau County Farm Bureau	Princeton, IL

*Table 2: Projected Enrollments*

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

### **Financial/Budgetary Information**

One existing full-time and one existing part-time faculty will be necessary to implement the program. Part-time faculty will be added if necessary to manage enrollments. Qualified faculty must hold a master's degree in Agriculture and have one year of related occupational experience. One year of teaching experience is preferred. All facilities are adequately in place to support the program. The college received significant equipment donations from local employers to support the program, however some additional purchases are planned during the first three years. The program will be fiscally supported through student tuition and fees. Table 3 illustrates the financial costs for the program and Table 4 details the requirements for full-time and part-time faculty positions.

*Table 3: Financial Information*

	<b>First Year</b>	<b>Second Year</b>	<b>Third Year</b>
Faculty Costs	-	\$4,128	\$5,568
Administrator Costs	-	-	-
Other Personnel Costs	-	-	-
Equipment Costs	\$10,000	\$5,000	\$5,000
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (specify)	-	-	-
<b>TOTAL NEW COSTS</b>	<b>\$10,000</b>	<b>\$9,128</b>	<b>\$10,568</b>

*Table 4: Faculty Requirements*

	First Year		Second Year		Third Year	
	Full-Time	Part-time	Full-Time	Part-time	Full-Time	Part-time
New Faculty	0	1	0	1	0	0
Existing Faculty	1	0	1	1	1	2

**Staff Conclusion**

Illinois Valley Community College and its proposed program meets 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.





**Lewis and Clark Community College**  
**5800 Godfrey Road**  
**Godfrey, IL 62035**  
**President: Dr. Dale Chapman**

**Proposed Program Title:** Associate of Applied Science in Web Design and Development (60 credit hours)

### **Program Purpose**

The Associate of Applied Science (AAS) degree will prepare individuals for entry-level employment in web design and development positions within a variety of industry settings.

### **Catalog Description**

Web Design and Development encompasses many different skills and disciplines in the design, production, and maintenance of Web content. The Web Design and Development program at Lewis and Clark Community College (Lewis and Clark or LCCC) addresses the diversity of skills required by someone working in this exciting, dynamic, and challenging career field. It combines the fundamentals of computing, designing Web graphics, visually pleasing Web experiences, interactivity, animation, and Web technology as well as addressing current trends in the field.

Students graduating from the Web Design and Development program are well prepared to enter the market in this exciting and dynamic field. Students will have the skills necessary to obtain employment in Web design and animation, front-end and programming, Web marketing analysis, and content development. Students may also choose to go on to complete a four-year education at any number of institutions that partner with Lewis and Clark or that offer an interactive digital media/Web design and development degree.

### **Curricular Information**

The AAS degree curriculum consists of 15 credit hours of general education coursework, and 45 credit hours of required career and technical education coursework. The career and technical component includes instruction in web page design essentials, Adobe Illustrator, Adobe Photoshop, HTML and CSS, Dreamweaver, JavaScript and PHP, graphic design, digital photography, web animation, marketing creative portfolios, issues in e-commerce and social media, and a required work-based learning experience in web design. Students will be prepared for taking the optional Adobe ACA certification. The degree program will serve as an educational ladder opportunity for students and graduates of the college's existing Basic Web Design Certificate. Assessment of student learning will be achieved through evaluation of the student's completion of a final project by program faculty.

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

Labor market information provided by the college supports the interest in and the need for programs in this field of study. According to the Illinois Department of Employment Security, growth in the employment of web developers is expected to increase by 32.4 percent statewide, and by 27 percent within the college's district through the year 2024. Table 1 highlights the potential employer partnerships for this new degree program and Table 2 projects the enrollments and completions for the next three years.

Table 1: Employer Partners

Employer	Location
Caleres	St. Louis, MO
BBB Industries	Sparta, TN
Buffalo Jump Design	Alton, IL
Van-Guard Machine	Edwardsville, IL
Jacoby Arts Center	Alton, IL
LifeHouse Community Church	Alton, IL
St. Louis Warrior	Hazelwood, MO
Bethalto United Methodist Church	Bethalto, IL
Campbell Publications	Jerseyville, IL
PRIDE, Inc.	Godfrey, IL
Simmons Hanly Conroy	Alton, IL
Clodfelter Engraving	Alton, IL
Serpentine Web Solutions	Carlyle, IL
Riverbender Web Services	Alton, IL

Table 2: Projected Enrollments

Web Design & Development AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	6	8	10
Part-Time Enrollments:	8	10	12
Completions:	-	5	8

### Financial/Budgetary Information

The programs will require one existing full-time and two existing part-time faculty for the first year. Qualified faculty will hold at least a Bachelor’s degree in Web Design/Development or a related field, have at least five years of related occupational experience, and at least one year of teaching experience. All facilities are adequately in place to support the program. The program will share resources with existing programs. No new costs will be incurred to implement the program. The programs will be supported fiscally through student tuition and fees. Table 3 illustrates the financial costs for the program and Table 4 details the requirements for full-time and part-time faculty positions.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	0	0	0
Administrator Costs	0	0	0
Other Personnel costs	0	0	0
Equipment Costs	0	0	0
Library/LRC Costs	0	0	0
Facility Costs*	0	0	0
Other	0	0	0
<b>TOTAL NEW COSTS</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>

*Table 4: Faculty Requirements*

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

**Staff Conclusion**

Lewis and Clark Community College and its proposed program meets 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.

