

APPROVED
MARCH 14, 2017

Item #V-3
March 14, 2017

NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES

Submitted for: Action.

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

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

McHenry County College

- Associate in Applied Science in Mobile Design and Development

Parkland College

- Associate in Applied Science in Massage Therapy

Sauk Valley Community College

- Associate in Applied Science in Agriculture

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

McHenry County College

- Associate in Applied Science in Mobile Design and Development

McHenry County College is seeking approval to offer a 60 credit hour Associate in Applied Science in Mobile Design and Development. This program will train students to design and develop mobile applications. Students develop a comprehensive understanding of core design principles and key development strategies, including developing for both the Android and iOS (Apple) mobile devices. Students also gain a basic understanding of database technology used for providing data for apps. 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.

Parkland College

- Associate in Applied Science in Massage Therapy

Parkland College is seeking approval to offer a 60 credit hour Associate in Applied Science in Massage Therapy. This program trains students in basic therapeutic massage techniques, educates them about the human body and the physiological effects of massage therapy on the body, prepares them for their role in the health care community, and promotes professionalism, caring, high ethical conduct, and continuing education. This program is designed for part-time students to attend in the day or evenings and weekends. 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.

Sauk Valley Community College

- Associate in Applied Science in Agriculture

Sauk Valley Community College is seeking approval to offer a 60 credit hour Associate in Applied Science in Agriculture. This program prepares students for various careers in the areas of agronomy, crop science, horticulture, agribusiness, farming operations, and other related career opportunities within the field. The program includes general education courses and the opportunity for work-based experiences. 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 C.

The staff recommends adoption of the following resolutions:

The Illinois Board of Higher Education hereby grants authority to McHenry County College to offer the Associate in Applied Science in Mobile 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.

The Illinois Board of Higher Education hereby grants authority to Parkland College to offer the Associate in Applied Science in Massage Therapy 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 Sauk Valley Community College to offer the Associate in Applied Science in Agriculture 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.

McHenry County College
8900 US-14
Crystal Lake, IL 60012
President: Dr. Clinton E. Gabbard

Proposed Program Title: Associate in Applied Science (AAS) in Mobile Design and Development (60 credit hours)

Program Purpose

The purpose of the proposed degree is to allow students with no prior experience to get a solid foundation in both Android and iOS (Apple) development to prepare them for entry level work in application development. The degree will prepare students to develop apps, as well as give them a solid grasp of database structures, agile project management, interface design, and the user experience.

Catalog Description

The Mobile Design and Development Program will train students to design and develop mobile applications. Students develop a comprehensive understanding of core design principles and key development strategies, including developing for both the Android and iOS mobile devices. Students also gain a basic understanding of database technology used for providing data for apps. The program trains individuals to become mobile developers. Students learn design theory as well as gain experience in programming for multiple mobile platforms. The training is geared toward students with no experience, but is also an opportunity for people changing careers or who wish to take individual courses to stay current in their existing jobs. The primary purpose of an Associate in Applied Science degree is to prepare students for employment. The AAS degree is not designed specifically for transfer; however, there are opportunities to apply some coursework or the whole degree to a bachelor's degree program.

Curricular Information

The degree program requires 15 credit hours of general education coursework and 45 credit hours of career and technical coursework. The general education component includes coursework required by the College for completion of a two-year degree including, English composition, speech communications, math, social science and a humanities/arts course in graphic design. The career and technical component includes instruction in introductory database management systems, interface design, designing the user experience, agile project management, digital legalities, programming logic, JavaScript Web fundamentals, and introductory/intermediate/advanced levels of programming for Android and iOS operating systems. Assessment of student learning will be achieved through an evaluation of a student portfolio including projects that demonstrate key skills and accomplishments over the course of their study.

Justification for Credit Hours Required for the Degree

This associate degree is 60 hours in length.

Accrediting Information

Specialized accreditation is not required for this program.

Supporting Labor Market Data (including employer partners)

Labor market information provided by the College supports the interest in and the need for a program in this field of study. According to the Illinois Department of Employment Security (IDES), employment for applications software developers is expected to increase by 25.1 percent, and employment of web developers by 20.3 percent statewide through 2022. The College was recently approved to offer two related shorter-term certificates in Android and iOS Programming. The proposed degree will provide an educational ladder opportunity for students in both certificate programs.

Table 1: Employer Partners

Employer	Location
Lextech	Downers Grove, IL
Digital Forces	Plainfield, IL
Apple, Inc.	Cupertino, CA
Paul May Associates	Orland Park, IL
Trekk	Rockford, IL

Table 2: Projected Enrollments

Mobile Design and Development AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	6	12	20
Part-Time Enrollments:	6	12	20
Completions:	-	5	10

Financial / Budgetary Information

Three existing full-time and two existing part-time faculty will be required to implement the program. New part-time faculty will be added during the second and third years as needed to address increases in enrollments. The program will use existing facilities, including three updated Mac labs. Some new equipment and classroom materials will be budgeted across the three year period; however, most resources will initially come from existing programs in Graphic Arts and Web Development. Program and faculty professional development is being supported through a National Science Foundation (NSF) grant. The program will be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	-	\$7,000	\$14,000
Administrator Costs	-	-	-
Other Personnel costs (adjunct faculty)	-	-	-
Equipment Costs	\$3,000	\$3,000	\$3,000
Library/LRC Costs	\$1,000	\$500	\$500
Facility Costs*	-	-	-
Other	-	-	-
TOTAL NEW COSTS	\$4,000	\$10,500	\$17,500

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	1	0	1
Existing Faculty	3	2	3	2	3	3

Staff Conclusion

McHenry County 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.

Parkland College
2400 West Bradley Avenue
Champaign, IL 61821
President: Dr. Tom Ramage

Proposed Program Title: Associate in Applied Science (AAS) in Massage Therapy (60 credit hours)

Program Purpose

The AAS program will prepare individuals for entry-level employment and entrepreneurial opportunities as licensed massage therapists. The College was granted temporary approval to offer this program beginning in fall 2015. The College currently offers a related two-semester certificate program, which has been in operation since 2008.

Catalog Description

The Massage Therapy program trains students in basic therapeutic massage techniques, educates them about the human body and the physiological effects of massage therapy on the body, prepares them for their role in the health care community, and promotes professionalism, caring, high ethical conduct, and continuing education. This program is designed for part-time students to attend in the day or evenings and weekends.

Curricular Information

The curriculum consists of 17 credit hours of required general education coursework and 43 credit hours of required career and technical education coursework. The career and technical component includes instruction in introductory massage therapy, intermediate and advanced levels of massage therapy practice, pathology for massage therapists, business practices and ethics, introductory human movement, musculoskeletal anatomy for massage therapists, complementary alternative therapies, and a required clinical practicum in massage therapy. Assessment of student learning will be achieved through a performance evaluation of skill by program faculty. The curriculum was developed according to guidelines for licensure in the State of Illinois. Graduates of massage therapy training programs must complete an educational program and pass a credentialing exam in order to obtain optional licensure through the Illinois Department of Financial and Professional Regulation (IDFPR). The proposed program will prepare students for the Massage and Bodywork Licensing Exam (MBLEX) available through the Federation of State Massage Therapy Boards, as well as for optional National MBLEX credentialing. The College currently offers a two-semester Massage Therapy Certificate. The proposed degree provides certificate students with an educational ladder opportunity. The degree curriculum expands on that of the certificate to include additional options for entrepreneurial and specialized coursework.

Justification for Credit Hours Required for the Degree

This associate degree is 60 hours in length.

Accrediting Information

Specialized accreditation is not required for this program.

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 (IDES), employment of massage therapists is expected to increase by 16.3 percent statewide through 2024. This is about three times the average employment growth for all occupations in Illinois.

Table 1: Employer Partners

Employer	Location
Green Yoga Spa	Urbana, IL
Massage Envy Spa	Savoy, IL
Body Works Associates	Champaign, IL

Table 2: Enrollments

Massage Therapy AAS	First Year	Second Year	Third Year
Part-Time Enrollments:	1	6	12
Completions:	-	5	8

Financial / Budgetary Information

The program utilizes existing faculty. Qualified full-time faculty must hold a Master's in a related health field (e.g., Kinesiology), hold a current license/certification, and have five years field experience. Qualified part-time faculty must have an Associate's in a related field (preferably Massage Therapy), hold a current license/certification, and have at least three to five years of field experience. All facilities are in place to adequately support the program. No new costs are anticipated to maintain the program over the next three years. The program is fiscally supported through tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	-	-	-
Administrator Costs	-	-	-
Other Personnel costs (specify positions)	-	-	-
Equipment Costs	-	-	-
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (specify)	-	-	-
TOTAL NEW COSTS	-	-	-

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	0	0	0	0	0
Existing Faculty	1	1	1	1	1	1

Staff Conclusion

Parkland 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.

Sauk Valley Community College
173 IL Route 2
Dixon, IL 61021
President: Dr. Dave Hellmich

Proposed Program Title: Associate in Applied Science (AAS) in Agriculture (60 credit hours)

Program Purpose

The purpose of the proposed degree is to prepare graduates for entry-level in agriculture and/or specialized employment/advancement for existing professionals in the agricultural areas related to production, technology and business.

Catalog Description

The Associate in Applied Science in Agriculture prepares students for various careers in the areas of agronomy, crop science, horticulture, agribusiness, farming operations, and other related career opportunities within the field. The program includes general education courses and the opportunity for work-based experiences.

Curricular Information

The degree program requires 17 credit hours of general education coursework and 43 credit hours of career and technical coursework. The general education component includes coursework required by the College for completion of a two-year degree including, English composition, speech communications, math, biology, social science and a first year experience course. The career and technical component consists of a program core and two specialty options: Technical or Business. The core includes instruction in soil science, plant science, agriculture business management, agricultural marketing, agricultural economics, agricultural sales, and an internship in the related track. The Technical track includes instruction in welding, mechanical systems, fluid power, fundamental electricity, industrial and agricultural wiring, ornamental horticulture, animal science, environmental biology, and environmental health. The Business track includes instruction in introductory business, management, marketing, legal environment of business, financial accounting, managerial accounting, and principles and problems of economics. Assessment of student learning objectives will be achieved through evaluation of the student's performance during the work-based learning component, as well as through a comprehensive written/performance test.

Justification for Credit Hours Required for the Degree

This associate degree is 60 hours in length.

Accrediting Information

Specialized accreditation is not required for this program.

Supporting Labor Market Data (including employer partners)

Labor market information provided by the College supports the interest in and the need for a program in this field of study. The College had previously offered agriculture programs, but elected to eliminate them in the 1990's due to staffing and enrollment issues. Over the years, there was a resurgence in interest with clear industry support and K-12 agricultural enrollments. This

added interest within the district, combined with the overall health of agriculture in the State of Illinois, supports the College's efforts in pursuing the creation of a two-year degree program in agriculture. According to the Illinois Department of Agriculture, agricultural commodities generate \$19 billion annually with billions more from agriculture related industries. There are 2,640 food processing companies in Illinois, with \$180 billion in food processed sales. Illinois's agricultural exports business ranks third in the nation with \$8.2 billion in exports. Job growth specific to farming and agricultural workers projects a statewide decline of about ten percent through 2024, according to the Illinois Department of Employment Security. However, locally, agriculture production and business service providers indicate a healthier job outlook for those interested in ag-related jobs. A program advisory committee was established after significant interest in an agriculture degree was identified and since local employers have argued for the need for a degree program that addresses both agriculture technology and business areas. The proposed curriculum was developed according to employers' workforce needs.

Table 1: Employer Partners

Employer	Location
Monsanto	Ashton, IL
BASF	Raleigh, NC
Sauk Valley Bank	Sterling, IL
Lee County Farm Bureau	Amboy, IL
Milledgeville School District	Milledgeville, IL
Amboy School District	Amboy, IL
Sterling Public Schools	Sterling, IL
Ashton-Franklin Center School District	Ashton, IL
Whiteside County Farm Bureau	Morrison, IL
1 st Farm Credit Services	Rock Falls, IL
Sterling Federal Bank	Sterling, IL
The Cornerstone Agency	Deer Grove, IL
Sauk Valley Area Chamber of Commerce	Sterling, IL
Lee-Ogle Regional Office of Education	Sterling, IL

Table 2: Projected Enrollments

Agriculture AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	20	20	30
Part-Time Enrollments:	10	10	15
Completions:	-	15	20

Financial / Budgetary Information

One existing full-time and two existing part-time faculty will be required to implement the program. New faculty will be added during the second and third years as needed to address increases in enrollments. The program will utilize all existing facilities, which include recently renovated science labs, lecture classrooms, and related technology. Equipment needs will be shared with related existing programs, with minimal resource materials necessary to support the program. The program will be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$50,000	\$53,000	\$56,000

Administrator Costs	-	-	-
Other Personnel costs (adjunct faculty)	-	-	-
Equipment Costs	-	-	-
Library/LRC Costs	\$500	\$500	\$500
Facility Costs*	-	-	-
Other	-	-	-
TOTAL NEW COSTS	\$50,500	\$53,500	\$56,500

Table 4: Faculty Requirements

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

Staff Conclusion

Sauk 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.

