APPROVED
JUNE 5, 2018

Item #VI-2
June 5, 2018

NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES

Submitted for: Action.

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

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

College of Lake County
- Associate of Applied Science in Automation, Robotics, and Mechatronics Technology
- Associate of Applied Science in Computer Information Technology

Kishwaukee College
- Associate of Applied Science in Agribusiness

Lake Land College
- Associate of Applied Science in Production Technology

Moraine Valley Community College
- Associate of Applied Science in Automation and Engineering Technology

Oakton Community College
- Associate in General Studies

Olney Central College
- Associate of Applied Science in Health Information Technology

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

College of Lake County

- Associate of Applied Science in Automation, Robotics, and Mechatronics Technology

College of Lake County is seeking approval to offer a 63 credit hour Associate in Applied Science in Automation, Robotics, and Mechatronics Technology. The degree program requires 15 credit hours of general education coursework and 48 credit hours of required career and technical coursework. This degree prepares students to be skilled technicians in the field of automation, robotics, and mechatronics to create "smart" products that improve lives in countless ways. The College was recently approved to offer a Robotics and Automation Introductory certificate, in addition to offering currently two related certificates in Mechatronics. Four existing and four new faculty will be necessary to implement the proposed program. Preferred faculty qualifications include a Bachelor of Science in Mechanical Engineering or a closely related field, five years related occupational experience, and two years teaching experience. The College has budgeted for equipment expenditures during the first two years of implementation; funding from the National Science Foundation Advanced Technological Education Grant will be used to cover equipment costs. The program will otherwise be supported through student tuition and fees. The College has sufficient library, technology, staff, and financial resources in place to support the proposed program.

- Associate of Applied Science in Computer Information Technology

College of Lake County is seeking approval to offer a 60 credit hour Associate in Applied Science in Computer Information Technology. The degree program requires 15 credit hours of general education coursework, 15 credit hours of required CIT core coursework, 24 credit hours of required specialty coursework, and six credit hours of specialty electives coursework. The College currently offers multiple related short-term certificates. This degree prepares students for entry-level employment in one of three computer information technology fields: Computer Forensics; Network Administration and Security; and Web Programming. Two new part-time faculty will be necessary to implement the program in addition to the three existing full-time and 18 existing part-time faculty. Preferred faculty qualifications include a Bachelor of Science in Computer Science, Information Technology, or closely related field, one to three years related occupational experience

and one year of teaching experience. Policies are in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. The College is combining/eliminating existing programs to offer the proposed degree; therefore, all facilities and equipment are adequate and in place to support 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.

Kishwaukee College

- Associate of Applied Science in Agribusiness

Kishwaukee College is seeking approval to offer a 61 credit hour Associate in Applied Science in Agribusiness. The degree program requires 16 credit hours of general education coursework, 37 credit hours of required career and technical coursework, and eight credit hours of technical electives. This program was designed for articulation with Bachelor of Science degree programs at Western Illinois University, the University of Illinois, and Illinois State University. Kishwaukee College plans on seeking additional articulation with Southern Illinois University and Eastern Illinois University. As well, the proposed program prepares students for entry-level employment in the field of agribusiness. Existing faculty will implement the program. Policies are 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.

Lake Land College

- Associate of Applied Science in Production Technology

Lake Land College is seeking approval to offer a 60 credit hour Associate of Applied Science in Production Technology. The degree program requires 16 credit hours of general education coursework, 34.5 credit hours of required career and technical coursework, and 9.5 hours of related technical electives. The Production Technology degree provides students a wide background in basic mechanical and electrical skills applicable to several types of manufacturing. The program will require one new part-time faculty in the first year. Qualified faculty will hold at least an Associate in Industrial Maintenance or Manufacturing Science/Technology with two years of work experience and one year of teaching experience. Policies are in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. New equipment will be purchased in the second and third years of program operation. The proposed program will be otherwise supported through student tuition and fees. 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.

Moraine Valley Community College

- Associate of Applied Science in Automation and Engineering Technology

Moraine Valley Community College is seeking approval to offer a 60 credit hour Associate of Applied Science in Automation and Engineering Technology. The degree program requires 15 credit hours of general education coursework, 32 credit hours of required career and technical coursework, and 12 to 13 credit hours of technical electives in one of the five specialty areas. The Automation and Engineering Technology degree prepares students for entry-level employment in automated manufacturing environments including mechanical and electrical design, maintenance, and networking as related to automatic manufacturing. The proposed program will require one new full-time and two new part-time faculty. Preferred faculty qualifications include a Bachelor of Science in Electronics, Engineering Technology, Mechanical or Industrial Technology, or a closely related field; one year of related occupational experience; and one year teaching experience. Policies are in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. The College received significant grant funding to support the program, including equipment purchases planned to update the College's virtual lab during the first three years. All facilities are otherwise adequately in place to support the program, which will be fiscally supported through student tuition and fees.

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

Oakton Community College

- Associate in General Studies

Oakton Community College is seeking approval to offer a 60 credit hour Associate in General Studies. The proposed degree program requires 28 credit hours of general education coursework and 32 credit hours of career and technical education coursework in the student's field of choice. The proposed program requires students to work closely with an academic advisor to develop comprehensive academic plans to meet the student's educational needs in pursuing their identified career goals. The College anticipates enrollment of students of diverse ages and backgrounds, mostly students with non-traditional educational goals. The proposed program is designed to serve a multitude of student populations, including but not limited to students whose employers require a degree for advancement, displaced workers fulfilling additional educational/career goals while seeking a degree for improved employment opportunities, or veterans seeking to return to the workforce by earning a degree that allows prior learning experience (e.g., military service) to count for up to 30 credit hours. All facilities, faculty and related necessary resources are currently in place to support the proposed program. No new costs are anticipated in the first three years of program operation, which will otherwise be supported through student tuition and fees.

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

Olney Central College

- Associate of Applied Science in Health Information Technology

Olney Central College seeks approval to offer a 60 credit hour Associate of Applied Science in Health Information Technology. The proposed program consists of 15 credit hours of general education coursework and 45 credit hours of career and technical education coursework.

The proposed program is designed to prepare students for entry-level employment of medical technology in a variety of healthcare settings. Graduates of the program will be prepared for optional industry certification through the American Health Information Management Association as a Registered Health Information Technologist. The College currently offers a related Medical Coding Certificate, which occurs in the first year of the proposed program. The College is working toward articulation at the baccalaureate level with Illinois State University, Indiana University, DeVry University, and Southern Illinois University in their respective health information programs, and is in the process of acquiring accreditation through the Commission on Accreditation for Health Informatics and Information Management. No new faculty or facilities are needed for the proposed program. The College has budgeted additional faculty costs and laboratory fees during the first three years of implementation. The program will otherwise be fiscally supported through student tuition and fees.

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

The staff recommends adoption of the following resolutions:

The Illinois Board of Higher Education hereby grants authority to the College of Lake County to offer the Associate of Applied Science in Automation, Robotics, and Mechatronics Technology and the Associate of Applied Science in Computer Information Technology, 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 Kishwaukee College to offer the Associate of Applied Science in Agribusiness 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 Lake Land College to offer the Associate of Applied Science in Production Technology 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 Moraine Valley Community College to offer the Associate of Applied Science in Automation and Engineering Technology 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 Oakton Community College to offer the Associate in General Studies 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 Olney Central College to offer the Associate of Applied Science in Health Information Technology 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.

College of Lake County
19351 West Washington Street
Grayslake, IL 60030
President: Dr. Rich Haney

Proposed Program Title: Associate of Applied Science in Automation, Robotics, and Mechatronics Technology (63 credit hours)

Program Purpose

The Associate of Applied Science in Automation, Robotics, and Mechatronics Technology program is designed to prepare students to function as skilled technicians who can work with systems, modules, and components in a complex robotic, automation, and mechatronics systems.

Catalog Description

The automation, robotics, and mechatronics field combines mechanics, electronics, and computer technologies to create "smart" products that improve lives in countless ways. Mechatronics technicians help design, install, maintain, and repair industrial equipment and a wide variety of appliances used in businesses and at home. These range from personal and industrial robots to artificial limbs, ATMs, and hybrid cars. A holder of an Associate in Mechatronics can manage, investigate, repair, and troubleshoot mechatronic and process control systems along with optimizing systems for efficiency and cost effectiveness. A mechatronics technician can work in workshops, design labs, production facilities, and in field service locations.

Curricular Information

The degree program requires 15 credit hours of general education coursework and 48 credit hours of career and technical education coursework. Career and technical education coursework includes instruction in introductory through advanced levels of high tech manufacturing; mechatronics graphics; robot design and construction; mechanical systems; electrical systems; automation; pneumatics and hydraulics; complete systems integration; manufacturing process design; programmable automation technology; reverse engineering of mechanical systems; advanced motor controls; automation pyramid; process control technologies; special topics in automation, robotics, and mechatronics; and capstone courses in electrical systems, pneumatics, and hydraulics. Assessment of student learning will be achieved through evaluation of a comprehensive final exam and project. The college was also recently approved to offer a Robotics and Automation Introductory certificate, in addition to currently offering two related certificates in Mechatronics. The proposed degree will provide an educational ladder opportunity for graduates of the certificate programs.

Justification for Credit Hours Required for Degree

With the program meeting not only the industry advisory committee recommendations but also the requirements to be Siemens Certified, the college exceeded 60 credit hours in order to make sure all technical competencies and general education requirements were met. There are no technical courses in this certificate that do not relate back to the certification requirements.

Accrediting Information

Program Accreditation is not required.

Supporting Labor Market Data (including employer partners)

Labor market information provided by the College of Lake County supports the interest in and the need for a two-year degree program in Automation, Robotics and Mechatronics. According to the Illinois Department of Employment Security, overall growth in employment of occupations related to this field of study is expected to increase by between two and six percent statewide through 2024.

Table 1: Employer Partners

Employers	**Location**
Yasakawa America	Waukegan, IL
Wes-Tek Automation Systems	Buffalo Grove, IL
Amcore	Mundelein, IL
Grainger	Lake Forest, IL
West Rock	Libertyville, IL
R&D Automation	Lake Villa, IL
Felsomat	Schaumburg, IL
SEC Design	Libertyville, IL
Englewood Electric (WESCO)	Woodridge, IL
Siemens	Nuremburg, Germany
Packaging Machinery Manufacturers Institute	Philadelphia, PA

Table 2: Projected Enrollments

Automation, Robotics, & Mechatronics AAS	**First Year**	**Second Year**	**Third Year**
Full-Time Enrollments:	16	32	32
Part-Time Enrollments:	16	32	32
Completions:	14	32	56

Financial/Budgetary Information

Four existing and four new faculty will be necessary to implement the program. Preferred faculty qualifications are a Bachelor in Mechanical Engineering or a closely related field, five years related occupational experience, and two years teaching experience. All facilities are adequately in place to support the program. The college has budgeted for equipment expenditures during the first two years of implementation. Funding from the National Science Foundation Advanced Technological Education Grant will be used to cover equipment costs. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	$51,000	$53,000	$56,000
Administrator Costs	$2,000	$2,800	$3,200
Other Personnel Costs	-	-	-
Equipment Costs	$125,000	$175,000	-
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (specify)	-	-	-
TOTAL NEW COSTS	$198,000	$230,000	$59,200

Table 4: Faculty Requirements

	First Year		Second Year		Third Year	
	Full-Time	Part-time	Full-Time	Part-time	Full-Time	Part-time
New Faculty	1	3	0	0	0	0
Existing Faculty	1	3	2	6	2	6

Staff Conclusion

The College of Lake County 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.

Proposed Program Title: Associate of Applied Science in Computer Information Technology (60 credit hours)

Program Purpose

The purpose of the Associate of Applied Science in Computer Information Technology (CIT) degree is to provide students with the most up-to-date knowledge and skills necessary to obtain entry-level employment in one of three Information Technology (IT) fields: computer forensics; network administration and security; and web programming.

Catalog Description

The CIT degree is designed to provide knowledge and skills needed for employment in the field of computer technology. The degree provides three specialty options: computer forensics; network administration and security; and web programming. All three specialty options share a common core of general education and introductory computer courses. Each specialty option has its own unique core of courses and electives. To complete an AAS, students must meet the General Requirements for the program.

Curricular Information

The degree program requires 15 credit hours of general education coursework, 15 credit hours of required CIT core coursework, 24 credit hours of required specialty coursework, and six credit hours of specialty electives coursework. The CIT core component includes instruction in

introductory computer technology, comprehensive databases and spreadsheets, Linux Operating System, introductory programming, and web page development. The three specialty options include computer forensics, network administration and security, and web programming. Related technical electives also focus on those areas.

The curriculum was developed according to standards that will prepare students for multiple industry credentials. Students will be eligible for credentials including: CompTIA A+ certification; CompTIA Linux certification; CompTIA Security+ certification; Microsoft Certified Solutions Association (MCSA) certification; MCSA Server certification; and CISCO Certified Entry Networking Technician certification. Assessment of student learning will be achieved through evaluation of a comprehensive final exam and project. The college also currently offers multiple related short-term certificates and the proposed degree would allow for several educational ladder opportunities for graduates of those programs.

Accrediting Information

Program Accreditation is not required.

Supporting Labor Market Data (including employer partners)

Labor market information provided by the College of Lake County supports the interest in and the need for a two-year degree program in Computer Information Technology including specialty options in computer forensics, network administration and security, and web programming. According to the Illinois Department of Employment Security, overall growth in employment of occupations related to computer information technology is expected to increase by 15.4 percent statewide and by 16.6 percent locally through 2024.

Table 1: Employer Partners

Employers	Location
Abbott Laboratories	Chicago, IL
AmerisourceBergen	Chesterbrook, PA
Arthur J. Gallagher	Rolling Meadows, IL
Homeland Security Investigations/ICE	Washington, D.C.
Huron Consulting	Chicago, IL
Lab Computer Consulting	Zion, IL
LaSalle Solutions	Rosemont, IL
Winthrop Harbor Police Department	Winthrop Harbor, IL

Table 2: Projected Enrollments

Computer Information Technology AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	15	25	35
Part-Time Enrollments:	30	40	50
Completions:	5	25	50

Financial/Budgetary Information

Three existing full-time, 18 existing part-time faculty, and two new part-time faculty will be necessary to implement the program. Preferred faculty qualifications are a Bachelor in Computer Science, IT, or closely related field; one to three years related occupational experience;

and one year teaching experience. Because the college is combining/eliminating existing programs to offer the proposed degree, all facilities and equipment are adequately in place to support the program. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	-	-	-
Administrator Costs	-	-	-
Other Personnel Costs	-	-	-
Equipment Costs	-	-	-
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (specify)	-	-	-
TOTAL NEW COSTS	$0	$0	$0

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	2	0	0	0	0
Existing Faculty	3	18	3	20	3	20

Staff Conclusion

The College of Lake County 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.

Kishwaukee College
21193 Malta Road
Malta, IL 60150
President: Dr. Laurie Borowicz

Proposed Program Title: Associate of Applied Science in Agribusiness (61 credit hours)

Program Purpose

The Associate of Applied Science in Agribusiness degree program will prepare individuals for entry-level employment in agribusiness.

Catalog Description

The degree program is designed to prepare students for entry-level positions in agribusiness. Many agricultural career opportunities are available for students, including but not limited to, agriculture buyer, distributor, sales, farmer, farm manager, and banker/loan officer. Close cooperation between the College and agriculture professionals helps ensure necessary training is provided to compete in a dynamic agribusiness environment.

Curricular Information

The degree program requires 16 credit hours of general education coursework, 37 credit hours of required career and technical coursework, and eight credit hours of technical electives. The career and technical component includes instruction in orientation to agriculture careers, introductory animal science, introductory agricultural economics, introductory crop science, introductory soils and fertilizers, introductory business, accounting and finance, legal/social environment of business, fundamental welding, and supervision. Assessment of student learning will be achieved through cumulative course completion and evaluation of program level objective achievement by faculty. The program was designed for articulation with Bachelor of Science degree programs at Western Illinois University, the University of Illinois, and Illinois State University. The college plans to seek additional articulation with Southern Illinois University and Eastern Illinois University.

Justification for Credit Hours Required for Degree

The proposed program includes coursework necessary to adequately prepare individuals for entry-level employment in this field as identified by the program advisory committee. The general education coursework required for completion includes a four-credit hour biology course that increases the total by one credit hour.

Accrediting Information

Program accreditation is not required.

Supporting Labor Market Data (including employer partners)

Labor market information provided by Kishwaukee College (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 automation manufacturing technology is expected to increase by one percent statewide through

2024. The College was recently approved to offer several related short-term certificate programs in Agribusiness and Precision Agriculture. The proposed degree will provide an educational ladder opportunity for those students interested in furthering their education. Currently, there are no neighboring community colleges who offer a similar program.

Table 1: Employer Partners

Employers	**Location**
Advanced Crop Care	Genoa, IL
Boehne Farms	Shabbona, IL
CHS	Sycamore, IL
Compeer Financial	Sycamore, IL
Conserve FS	DeKalb, IL
Davidson Grain	Creston, IL
DeKalb Area Agricultural	DeKalb, IL
DeKalb County Farm Bureau	Sycamore, IL
E & E Arndt Farms	Malta, IL
Helena Chemical Company	Maple Park, IL
Heritage Association	DeKalb/Genoa, IL
Heuber Feed LLC	Creston, IL
J. Willrett Farms	Malta, IL
Kauffman Turkey Farms	Waterman, IL
Maplehurst Farms	Rochelle, IL
Monsanto	Waterman, IL
Mullins Grain	Shabbona, IL
Pitstick Farms	Maple Park, IL
Resource Bank	DeKalb, IL
U of I Extension	Sycamore, IL
Willrett Natural Farm	Malta, IL

Table 2: Projected Enrollments

Agribusiness AAS	**First Year**	**Second Year**	**Third Year**
Full-Time Enrollments:	8	10	12
Part-Time Enrollments:	6	12	9
Completions:	-	10	12

Financial/Budgetary Information

Two existing full-time and two existing part-time faculty will be necessary to implement the program. Preferred faculty qualifications are a Bachelor in Agriculture, Agribusiness or a closely related field, one year related occupational experience, and some teaching experience. All facilities are adequately in place to support the program; however, some equipment purchases are anticipated during the first year of implementation. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	**Second Year**	**Third Year**
Faculty Costs	-	-	-
Administrator Costs	-	-	-
Other Personnel Costs	-	-	-
Equipment Costs	$31,000	$0	$0

Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (specify)	-	-	-
TOTAL NEW COSTS	$31,000	$0	$0

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	2	2	2	2	2	2

Staff Conclusion

Kishwaukee 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.

Lake Land College
5001 Lake Land Boulevard
Mattoon, IL 61938
President: Dr. Josh Bullock

Proposed Program Title: Associate of Applied Science in Production Technology (60 credit hours)

Program Purpose

The Associate of Applied Science in Production Technology degree will prepare individuals for entry-level employment and advancement opportunities in the field of industrial production and maintenance.

Catalog Description

This program is designed to give the students a wide background in the basic mechanical and electrical skills applicable to several types of manufacturing. These skills include hydraulics, pneumatics, CAD, AC/DC circuits, industrial controls, motors, and PLCs.

Curricular Information

The curriculum consists of 16 credit hours of general education coursework, 34.5 credit hours of required career and technical education coursework, and 9.5 credit hours of related technical electives. The career and technical component includes instruction in fluid power, AC and DC circuits, relay and control circuits, machining procedures, introductory and intermediate programmable logic controllers, industrial robotics, motors and generators, mechanical drive systems, human machine interface, trouble shooting and preventative maintenance, and a required work-based learning experience in industrial production and maintenance. Students who complete the industrial safety course will receive their OSHA ten-hour certification through the U.S. Department of Labor's Occupational Health and Safety Administration. Assessment of student learning will be achieved through evaluation of the student's performance during the work-based learning component by program faculty and worksite supervisor.

Accrediting Information

Program Accreditation is not required.

Supporting Labor Market Data (including employer partners)

Labor market information provided by Lake Land College supports the interest in and the need for a program in this field of study. According to the Illinois Department of Employment Security, growth in the employment of "Industrial Machinery Mechanics" is expected to increase by 22 percent statewide through the year 2024.

Table 1: Employer Partners

Employer	Location
North American Lighting	Paris, IL
Pretium Packaging	Paris, IL
GSI, Inc.	Paris, IL
Stevens Industries	Teutopolis, IL
LSC Communications	Mattoon, IL
CHI	Arcola, IL
Libman Products	Arcola, IL
PlastiPak	Champaign, IL

Table 2: Projected Enrollments

Production Technician AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	8	10	12
Part-Time Enrollments:	4	5	5
Completions:	8	10	12

Financial/Budgetary Information

The program will require one existing full-time faculty and one new part-time faculty the first year. Qualified faculty will hold at least an Associate in Industrial Maintenance or a Manufacturing Science/Technology with two years of work experience and one year of teaching experience is preferred. All facilities are adequately in place to support the program. Primary costs are associated with new faculty and the purchase of consumable supplies for the program. Some new equipment will be purchased during the second and third years of program operation. The program will be supported fiscally through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	$5,800	$11,600	$11,600
Administrator Costs	-	-	-
Other Personnel costs	-	-	-
Equipment Costs	-	$2,000	$2,000
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (consumable supplies)	$3,500	$5,000	$5,000
TOTAL NEW COSTS	**$9,300**	**$18,600**	**$18,600**

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

Lake Land 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.

Moraine Valley Community College
9000 West College Parkway
Palos Hills, IL 60465-2478
President: Dr. Sylvia M. Jenkins

Proposed Program Title: Associate of Applied Science in Automation and Engineering Technology (60 credit hours)

Program Purpose

The Associate of Applied Science in Automation and Engineering Technology degree program will prepare individuals for entry-level employment in automated manufacturing environments. Students will be capable of mechanical and electrical design, maintenance and networking as related to automated manufacturing.

Catalog Description

This program prepares students for a career in the production automation, robotics, and industrial networking. This program provides in-depth knowledge and practice experience in production automation, robotics, and the Industrial Internet of Things (IIoT). Students will be working with state-of-the-art equipment including industrial robotics systems and automation controllers. Students will focus their studies in five high-demand tracks: CAD automation; electrical automation; information technology (IT) automation; mechanical automation; and mechatronics.

Curricular Information

The degree program requires 15 credit hours of general education coursework, 32 credit hours of required career and technical coursework, and 12 to 13 credit hours of technical electives in one of the specialty areas. The career and technical component includes instruction in electricity and electronics, industrial controls, mechanical systems, fluid power, basic circuits, IT essentials, managing IT, introduction to drafting, introduction to CAD, manufacturing and design, robotics, automation capstone, and a required orientation to automation and engineering technology careers. Related technical electives focus on the areas of CAD automation, electrical automation, IT automation, mechanical automation, and mechatronics. Assessment of student learning will be achieved through evaluation of a comprehensive final exam and project.

Accrediting Information

Program accreditation is not required.

Supporting Labor Market Data (including employer partners)

Labor market information provided by Moraine Valley Community College (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 automation manufacturing technology is expected to increase by one percent statewide through 2024. The proposed degree will replace two existing programs in Mechanical Design Technology and Mechatronics. This program was developed as part of a National Security Administration (NSA) funded grant project "Cybersecurity Action Plan Investment in Expansion of CAE-C Education Programs". The grant has resulted in a partnership between the college, the

Center for Systems Security and Information Assurance, and the National Centers of Academic Excellence in Cybersecurity (CAE-C). The new lab will enable the college to reach a variety of new student audiences through its virtual lab.

Table 1: Employer Partners

Employers	Location
CISCO Systems, Inc.	San Jose, CA
Rockwell Automation	Milwaukee, WI
FANUC America	Rochester Hills, MI

Table 2: Projected Enrollments

Automation & Engineering Tech AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	20	20	25
Part-Time Enrollments:	10	10	15
Completions:	-	10	15

Financial/Budgetary Information

Seven existing full-time, 15 existing part-time faculty, one new full-time, and two new part-time faculty will be necessary to implement the program. Part-time faculty will be added if necessary to manage enrollments. Preferred faculty qualifications are a Bachelor in Electronics, Engineering Technology, Mechanical or Industrial Technology or closely related field, one year related occupational experience, and one year teaching experience. All facilities are adequately in place to support the program. The college received significant grant funding to support the program, including equipment purchases planned to update the college's virtual lab during the first three years. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	$151,000	$271,000	$271,000
Administrator Costs	-	-	-
Other Personnel Costs (student aide worker)	$6,000	$11,000	$11,000
Equipment Costs	$12,000	$24,000	$24,000
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (specify)	-	-	-
TOTAL NEW COSTS	$169,000	$306,000	$306,000

Table 4: Faculty Requirements

	First Year		Second Year		Third Year	
	Full-Time	Part-time	Full-Time	Part-time	Full-Time	Part-time
New Faculty	1	2	0	2	0	2
Existing Faculty	7	15	8	15	8	15

Staff Conclusion

Moraine 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.

Oakton Community College
1600 East Golf Road
Des Plaines, IL 60016
President: Dr. Joianne Smith

Proposed Program Title: Associate in General Studies (60 credit hours)

Program Purpose

The Associate in General Studies (AGS) degree is designed for students who want to complete an individualized associate degree that provides educational options beyond those available in other degree programs. The College proposes this program as an option for students who are interested in obtaining a career and technical education Certificate but for which a related Associate in Applied Science degree is not available.

Catalog Description

The AGS degree is designed for students who want to complete an individualized associate degree that provides educational options beyond those available in other degree programs, including students who are interested in obtaining a career and technical education Certificate but for which a related Associate in Applied Science degree is not available.

Curricular Information

The curriculum requires 28 credit hours of general education coursework and 32 credit hours of career and technical education coursework in the student's field of choice. The student must work closely with an academic advisor to develop a comprehensive academic plan to meet the student's educational needs in pursuing their identified career goals. Credit for prior learning is limited to 30 credit hours.

Justification for Credit Hours Required for Degree

The proposal satisfies the Illinois Community College Board's Administrative Rule requirements related to general education requirements, total credit hours required for completion, and program intent.

Accrediting Information

Program accreditation is not required.

Supporting Labor Market Data (including employer partners)

Oakton Community College anticipates enrollment of students of diverse ages and backgrounds, mostly students with non-traditional educational goals. The AGS is designed for students earning a two-year degree for career advancement and personal growth. The program is designed to serve a multitude of student populations, including but not limited to students whose employers are requiring a degree for advancement, displaced workers fulfilling additional educational/career goals while seeking a degree for improved employment opportunities, or veterans seeking to return to the workforce by earning an associate degree that allows awarding of credit for military experience.

Financial/Budgetary Information

All facilities, faculty and related necessary resources are currently in place to support the proposed program. No new costs are anticipated during the first three years of operation and the program will be supported fiscally through student tuition and fees.

Staff Conclusion

Oakton 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.

Olney Central College
305 North West Street
Olney, IL 62450-1099
President: Mr. Rodney Ranes

Proposed Program Title: Associate of Applied Science in Health Information Technology (60 credit hours)

Program Purpose

The Associate of Applied Science (AAS) in Health Information Technology program is designed to prepare students for entry-level employment in the field of medical technology in a variety of healthcare settings. Health Information Technologists (HIT), are responsible for compiling, processing, and maintaining medical records of hospitals, clinics, and physician's office patients in a manner consistent with the requirements of the healthcare industry.

Catalog Description

Completing the Health Information Technology program at Olney Central College shows employers you have a well-rounded education in this field. Students will learn to ensure the quality of medical records. Training will include using computer applications to assemble and analyze patient data. Students will work to provide information to make good decisions in improving patient care and controlling costs. Students will learn to code diagnoses and procedures in patient records for reimbursement and research purposes. The program will allow students to find employment or to continue their education with a bachelor's degree in the field. Graduates will be employable in hospitals and other healthcare settings including office-based physician practices, nursing homes, home health agencies, mental health facilities, and public health agencies.

Curricular Information

The curriculum consists of 15 credit hours of general education coursework and 45 credit hours of career and technical education coursework. The career and technical coursework includes instruction in medical terminology, introductory health information, electronic medical records management, introductory through advanced levels of medical insurance and coding, medical reimbursement and review cycle, data management and information governance, healthcare leadership and management, legal aspects of health information, topics in health information, an HIT capstone course, certification preparation, and a required work-based learning in health information professional practice. The curriculum was developed according to standards for accreditation and industry credentialing. Graduates of the program will be prepared for optional industry certification through the American Health Information Management Association as a Registered Health Information Technologist (RHIT). Assessment of student learning will be achieved through evaluation of the student's performance during the work-based learning component and through a practice certification exam.

Onley Central College (the College) currently offers a related Medical Coding Certificate. The first year of the certificate program is the first year of the proposed degree program and therefore the degree will provide an educational ladder opportunity for certificate students and graduates. The College also indicates the curriculum was developed with plans for articulation at the baccalaureate level with Illinois State University in Health Information Management, Indiana University in Health Information Management, DeVry University in Health Information Management, and Southern Illinois University in Health Care Management.

Accrediting Information

The College is currently in the process of acquiring program accreditation through the Commission on Accreditation for Health Informatics and Information Management.

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 health information technology. According to the Illinois Department of Employment Security, overall growth in employment of medical records/health information technologists is expected to increase by 9.7 percent statewide through 2024. The College currently offers an AAS in Health Informatics which does not lead towards industry credentialing. The Program Advisory Committee recommended the proposed degree be designed to lead towards RHIT certification, which is a preferred credential among local employers in the College's district.

Table 1: Employer Partners

Employers	Location
Carle Richland Memorial Hospital	Olney, IL
Clay County Hospital	Flora, IL
Lawrence County Memorial Hospital	Lawrenceville, IL
Crawford Memorial Hospital	Robinson, IL
Fairfield Memorial Hospital	Fairfield, IL
Good Samaritan Hospital	Vincennes, IL
Sarah Bush Lincoln Hospital	Mattoon, IL
HSHS St. Anthony Hospital	Effingham, IL

Table 2: Projected Enrollments

Health Information Technology AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	8	12	17
Part-Time Enrollments:	3	5	10
Completions:	-	12	17

Financial/Budgetary Information

Two existing full-time and three existing part-time faculty will be necessary to implement the program. Preferred faculty qualifications are a Master in Health Information Technology or Management or a closely related health field, two years related occupational experience, and two years teaching experience. All facilities are adequately in place to support the program. The College has budgeted for additional faculty costs and laboratory fees during the first three years of implementation. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	-	-	-
Administrator Costs	$1,000	$1,000	$1,000
Other Personnel Costs	-	-	-
Equipment Costs	-	-	-
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (Virtual Lab Fees)	$1,100	$1,700	$2,700
TOTAL NEW COSTS	$2,100	$2,700	$3,700

Table 4: Faculty Requirements

	First Year		Second Year		Third Year	
	Full-Time	Part-time	Full-Time	Part-time	Full-Time	Part-time
New Faculty	-	-	-	-	-	-
Existing Faculty	2	3	2	3	2	3

Staff Conclusion

Olney Central 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.