

APPROVED
JUNE 13, 2017

Item # VI-2
June 13, 2017

NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES

Submitted for: Action.

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

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

- College of Lake County
 - Associate in Applied Science in Supply Chain Management
 - Associate in Applied Science in Welding Technology
- College of DuPage
 - Associate in Applied Science in Ophthalmic Technician
- Heartland Community College
 - Associate in Applied Science in Industrial Technology
- Illinois Valley Community College
 - Associate in Applied Science in Agricultural Business Management
- Lewis and Clark Community College
 - Associate in Applied Science in Instrumentation and Control Systems
 - Associate in Applied Science in Music Production
- Lake Land College
 - Associate in Applied Science in Medical Assistant
- Spoon River College
 - Associate in Applied Science in Logistics and Operations Management
- Triton College
 - Associate in Applied Science in Construction Technology
 - Associate in Applied Science in Renewable Energy Technology
- Wabash Valley College
 - Associate in Applied Science in Gunsmithing

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 in Applied Science in Supply Chain Management

College of Lake County is seeking approval to offer a 60 credit hour Associate in Applied Science in Supply Chain Management. This degree will provide students with the knowledge and skills for employment within the supply chain area. Supply Chain Management focuses on the flow of materials end-to-end beginning at customer service and procurement and ending with delivery to the customer. The coursework is designed for careers focused on procurement, inventory management, warehousing, distribution, logistics and transportation. Graduates of the degree program will be ready for front-line supervisory/team lead positions in warehouses, distribution centers, and operation centers. 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.

- Associate in Applied Science in Welding Technology

College of Lake County is seeking approval to offer a 61 credit hour Associate in Applied Science in Welding Technology. This degree combines training with classes in the background knowledge needed by workers in welding occupations. The program is for those who want to acquire the technical knowledge and skills required for workers in welding, fabrication, and related occupations. As graduates of the welding program, students may qualify for positions in business and industry such as machinery fabrication, structural fabrication, welding fitting and layout, automatic and semi-automatic welding, automatic flame cutter operation, millwright welding, plant maintenance, and quality control and 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 A.

College of DuPage

- Associate in Applied Science in Ophthalmic Technician

College of DuPage is seeking approval to offer a 64 credit hour Associate in Applied Science in Ophthalmic Technician. This program prepares the student to be an integral member of the eye care team. Emphasis is on fundamental and advanced clinical procedures to assist optometrists and ophthalmologists in the acquisition, preparation, and application of various types of equipment required for the delivery of eye care. Additionally, this degree will prepare students to sit for the national certification exam. 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.

Heartland Community College

- Associate in Applied Science in Industrial Technology

Heartland Community College is seeking approval to offer a 60 credit hour Associate in Applied Science in Industrial Technology. This program will prepare individuals for entry-level employment and advancement opportunities as front-line supervisors or lead positions in transportation, warehousing, distribution, and logistics centers. The College will also offer advanced certificate program in Industrial Technology which will prepare individuals for entry-level lead positions, including client-facing positions and/or advancement into similar roles in transportation, warehousing, distribution, and logistics centers. This certificate is stackable into the associate degree and will provide additional educational opportunities for students in this area. 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.

Illinois Valley Community College

- Associate in Applied Science in Agricultural Business Management

Illinois Valley Community College is seeking approval to offer a 60 credit hour Associate in Applied Science in Agricultural Business Management. This program will prepares students for employment or self-employment in the food, agriculture, renewable natural resources, or environmental occupations. Students study the latest in agricultural technology and develop sales and marketing techniques as well as management skills essential in the agriculture 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 D.

Lewis and Clark Community College

- Associate in Applied Science in Instrumentation and Control Systems

Lewis and Clark Community College is seeking approval to offer a 60 credit hour Associate in Applied Science in Instrumentation and Control Systems. This program combines theory and hands-on training with state-of-the-art instruments, working processes, and computerized control systems. Students learn to install, test, calibrate and maintain instruments that measure, indicate, and control variables such as pressure, flow, level, density, temperature, force, vibration, and chemical composition. Students apply math concepts, physics concepts, and industry standards to realistic situations encountered on the job. Additional instruction includes updating system documentation and building or modifying specialized systems to solve problems in measurement and control. 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.

- Associate in Applied Science in Music Production

Lewis and Clark Community College is seeking approval to offer a 60 credit hour Associate in Applied Science in Music Production. This program is designed to enable graduates to enter occupations such as music performer, record studio technician, sound technician, and potentially management or supervisory positions. 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 E.

Lake Land College

- Associate in Applied Science in Medical Assistant

Lake Land College is seeking approval to offer a 60 credit hour Associate in Applied Science in Medical Assistant. This program is designed to educate the student for employment providing assistance in caring for patients in the medical office, clinic, or outpatient facility. This program was developed according to industry standards under the guidelines of the Commission on Accreditation of Allied Health Education Programs. 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 F.

Spoon River College

- Associate in Applied Science in Logistics and Operations Management

Spoon River College is seeking approval to offer a 61 credit hour Associate in Applied Science in Logistics and Operation Management. This program is designed to prepare students for a career path in the transportation, distribution, and logistics career area. Students will be prepared

for entry-level positions in a variety of distribution, logistics, and warehouse operations. 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 G.

Triton College

- Associate in Applied Science in Construction Technology

Triton College is seeking approval to offer a 60 credit hour Associate in Applied Science in Construction Technology which will prepare students to be proficient in both residential and commercial construction. The program allows students to specialize in a particular area in the field, but also provides skills that are essential across all fields such as blueprint reading, reasoning, and math used for construction jobs. 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.

- Associate in Applied Science in Renewable Energy Technology

Triton College is seeking approval to offer a 64 credit hour Associate in Applied Science in Renewable Energy Technology. This program emphasizes basic techniques and skills necessary for entry-level employment in the alternative energy industry. Students acquire proficiency in electrical and magnetism, controls, photovoltaics, wind, energy efficiency, effective communications and employment skills. Program graduates may seek entry-level employment in companies such as solar installation, wind, energy auditing, and weatherization and may be employed as solar technicians, wind technicians, and energy auditors. 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 H.

Wabash Valley College

- Associate in Applied Science in Gunsmithing

Wabash Valley College is seeking approval to offer a 63 credit hour Associate in Applied Science in Gunsmithing. This program provides training in custom gunsmithing and gun repair, and develops the basic knowledge and skills necessary to become a professional gunsmith. The program includes firearms design and function, stock-making, bench metal work, machine metal work, and gun bluing and metal finishing. The program also includes instruction in gun safety, federal background checks and licensing, and state and local rules and regulations. Students must be at least 18 years old to enroll in this program. 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 I.

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 in Applied Science in Supply Chain Management and the Associate in Applied Science in Welding 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 the College of DuPage to offer the Associate in Applied Science in Ophthalmic Technician 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 Heartland Community College to offer the Associate in Applied Science in Industrial 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 Illinois Valley Community College to offer the Associate in Applied Science in Agricultural Business Management 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 in Applied Science in Instrumentation and Control Systems and the Associate in Applied Science in Music Production 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 in Applied Science in Medical 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.

The Illinois Board of Higher Education hereby grants authority to Spoon River College to offer the Associate in Applied Science in Logistics and Operations Management 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 Triton College to offer the Associate in Applied Science in Construction Technology and the Associate in Applied Science in Renewable Energy 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 Wabash Valley College to offer the Associate in Applied Science in Gunsmithing 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. Jerry Weber

Proposed Program Title: Associate in Applied Science (AAS) in Supply Chain Management (60 credit hours)

Program Purpose

The proposed degree will prepare individuals for entry-level employment and advancement opportunities as front-line supervisors or lead positions in transportation, warehousing, distribution, and logistics centers.

Catalog Description

This degree will provide students with the knowledge and skills for employment within the supply chain area. Supply Chain Management focuses on the flow of materials end-to-end beginning at customer service and procurement and ending with delivery to the customer. The coursework is designed for careers focused on procurement, inventory management, warehousing, distribution, logistics, and transportation. This degree is focused on the front-line worker and will provide a better understanding of how each of the areas affects the other and how best to achieve efficiency and profitability for the organization. Graduates of the degree program will be ready for front-line supervisory/team lead positions in warehouses, distribution centers, and operation centers.

Curricular Information

The degree program 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 introductory supply chain management, sourcing and procurement, inventory management and planning, warehousing and distribution, logistics and transportation, micro- and macro-economics, accounting, finance, business law, operations management, supervision and management, and a required internship in supply chain management. Assessment of student learning will be achieved through evaluation of the student's performance during the work-based learning component by a worksite supervisor and faculty member.

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 program in this field of study. According to the Illinois Department of Employment Security (IDES), growth in the employment of Transportation/Distribution/Logistics Managers is expected to increase by 5.1 percent and employment of "Logistics technicians" by 8.4 percent

statewide through the year 2024. The US Bureau of Labor Statistics projects nationwide growth in the transportation industry at five percent and IDES projects statewide growth at two percent. Furthermore, both related occupations are considered “Demand Occupations” for Workforce Innovation and Opportunities Act training opportunities.

Table 1: Employer Partners

Employer	Location
W.W. Grainger Inc.	Chicago, IL
Amazon Fulfillment Center	Kenosha, WI
Abbott Laboratories	Lake Bluff, IL
AbbVie Pharmaceutical Company	North Chicago, IL
U-Line	Pleasant Prairie, WI
Baxter Pharmaceuticals	Multiple locations, Northern IL
Pfizer Pharmaceuticals Corp.	Pleasant Prairie, WI
Medline	Mundelein, IL
Rust-Oleum Corp.	Vernon Hills, IL
GFX	Grayslake, IL
Woodland Foods	Waukegan, IL
ZF Industries	Vernon Hills, IL

Table 2: Projected Enrollments

Supply Chain Management AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	2	4	6
Part-Time Enrollments:	3	5	9
Completions:	-	2	5

Financial / Budgetary Information

The program will require one new full-time and two new part-time faculty the first year. Qualified faculty will hold a bachelor’s degree in Supply Chain Management, Operations Management, or a closely related field; at least five years of related occupational experience, one year teaching experience, and professional credentialing (e.g., American Society for Quality or Institute for Supply Management are preferred). All facilities are adequately in place to support the program. Some new equipment and library materials will be purchased over the first three years of program implementation. The program will otherwise be supported fiscally through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$60,000	\$60,000	\$60,000
Administrator Costs			
Other Personnel costs			
Equipment Costs		\$3,000	\$5,000
Library/LRC Costs	\$500	\$500	0
Facility Costs*			
Other			
TOTAL NEW COSTS	\$60,500	\$63,500	\$65,000

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	1	2	0	1	0	1
Existing Faculty	0	0	1	2	1	3

Staff Conclusion

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 in Applied Science (AAS) in Welding Technology (61 credit hours)

Program Purpose

The proposed degree program will prepare individuals for entry-level employment as welding technicians and provide opportunities to obtain an industry-recognized credential through the American Welding Society (AWS).

Catalog Description

This degree combines training with classes in the background knowledge needed by workers in welding occupations. Students practice and develop welding skills in the laboratory and may take an examination for certification. The program is for those who want to acquire the technical knowledge and skills required for workers in welding, fabrication, and related occupations. As graduates of the welding program, students may qualify for positions in business and industry such as machinery fabrication, structural fabrication, welding fitting and layout, automatic and semi-automatic welding, automatic flame cutter operation, millwright welding, plant maintenance, and quality control and development. The program offers students a background in manufacturing materials, process, and systems, including shear and press brake operation, blueprint reading, and shop drawing and layout. The curriculum includes written and oral communications and general education classes and emphasizes related scientific, mathematical, and general mechanical principles.

Curricular Information

The degree program requires 15 credit hours of general education coursework and 46 credit hours of career and technical coursework. The career and technical component includes instruction in manufacturing processes, machining principles, basic metallurgy, geometric dimensioning and tolerance, welding blueprint reading, introductory AutoCAD, general welding, gas weld cutting and brazing, shielded metal arc welding (SMAW), advanced SMAW, gas metal arc welding, gas tungsten arc welding (GTAW), advanced GTAW, welding certification, and one elective course in options related to SolidWorks software, machining, or light/laser technology. Assessment of student learning will be achieved through evaluation of the student’s performance on a comprehensive performance test and practice certification exams. Graduates will be eligible for AWS certification in Structural Welding – Steel. The College currently offers a related advanced-

level Welding Certificate and three shorter-term Welding Certificates all of which fully articulate to the proposed degree, providing students and graduates with multiple paths and educational ladder opportunities.

Justification for Credit Hours Required for the Degree

The proposed degree program exceeds 60 credit hours due coursework included that will prepare students for industry credentialing. The degree curriculum was based on the College’s existing Welding certificate program. The degree curriculum was developed by and is fully supported by the College’s program advisory committee.

Accrediting Information

The College’s facility and instructor are AWS accredited. Program accreditation is not available.

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, employment of welders, cutters, solderers, and brazers is expected to increase by 3 percent statewide through 2024.

Table 1: Employer Partners

Employers	Location
C & W Welding Equipment Repair	Lake Bluff, IL
Hayes Mechanical	Chicago, IL
Lake County High School Tech Campus	Grayslake, IL
Six Flags Great America	Gurnee, IL
Weld This	Antioch, IL
Laser Precision	Libertyville, IL
Ludlow Manufacturing	Waukegan, IL
Chassis Service Unlimited	Waukegan, IL
Real Wheels Cover Co.	Gurnee, IL

Table 2: Projected Enrollments

Welding Tech AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	6	8	12
Part-Time Enrollments:	10	12	18
Completions:	3	5	7

Financial / Budgetary Information

Four existing part-time faculty will be required to implement the program. Qualified faculty must hold at least an associate’s degree in Welding Technology, AWS Instructor certification (for welding courses), five years related occupational experience, and two years teaching experience preferred. All facilities and equipment are adequately in place to support the program. No new costs will be incurred to implement the degree curriculum. The program will 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	1	3	0	0	0	0
Existing Faculty	0	0	1	3	1	3

Staff Conclusion

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.

College of DuPage
425 Fawell Boulevard
Glen Ellyn, IL 60137
President: Dr. Ann Rondeau

Proposed Program Title: Associate in Applied Science (AAS) in Ophthalmic Technician (64 credit hours)

Program Purpose

The proposed program will prepare individuals for entry-level employment as an ophthalmic technician.

Catalog Description

The Ophthalmic Technician program prepares the student to be an integral member of the eye care team. Emphasis is on fundamental and advanced clinical procedures to assist optometrists and ophthalmologists in the acquisition, preparation, and application of various types of equipment required for the delivery of eye care. Additionally, this degree will prepare students to sit for the national certification exam.

Curricular Information

The degree program requires 19 credit hours of general education coursework and 45 credit hours of career and technical coursework. The career and technical component includes instruction in medical terminology, health care ethics, beginning/intermediate/advanced levels of Eye Care Assistant, and beginning/intermediate/advanced levels of Ophthalmic Technician. Assessment of student learning will be achieved through evaluation of the student's performance on a comprehensive written and performance test, as well as an evaluation of the student's performance during their clinical rotation by their faculty supervisor.

Justification for Credit Hours Required for the Degree

The proposed degree program exceeds 60 credit hours due to program accreditation requirements for contact hours, which translate into higher credit hours.

Accrediting Information

The Commission on Accreditation of Ophthalmic Medical Programs (CoA-OMP) provides accreditation to ophthalmic medical technician educational training programs. The American Academy of Ophthalmology, the Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO), the Association of Technical Personnel in Ophthalmology, and the American Society of Ophthalmic Registered Nurses also provide direction on standards of care and best medical practice. The College is seeking program accreditation through the CoA-OMP. Once accredited, students will be eligible for the national credentialing exam, Certified Ophthalmology Technician, administered through the JCAHPO.

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, employment of ophthalmic medical technicians is expected to increase between 11.2 percent for statewide through 2024. The College currently offers a related Eye Care Assistant certificate and the proposed degree will provide students and graduates of the certificate an educational ladder opportunity.

Table 1: Employer Partners

Employers	Location
Wheaton Eye Clinic	Wheaton, IL

Table 2: Projected Enrollments

Ophthalmic Tech AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	8	10	12
Part-Time Enrollments:			
Completions:	8	10	11

Financial / Budgetary Information

One new full-time and three new part-time faculty will be required to implement the program. All facilities and equipment are adequately in place 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	\$87,000	\$91,000	\$94,000
Administrator Costs	0	0	0
Other Personnel costs (faculty mileage to clinical sites)	\$1500	\$1500	\$1550
Equipment Costs	\$3000	\$2000	0
Library/LRC Costs	\$3000	0	0
Facility Costs*	0	0	0
Other (Contractual Agreement: Guest Speaker Stipends)	\$3600	\$3600	\$3600
TOTAL NEW COSTS	\$98,100	\$98, 100	\$99, 150

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	0	0	1	3	1	3

Staff Conclusion

College of DuPage 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.

Heartland Community College
1500 W Raab Rd
Normal, IL 61761
President: Mr. Robert Widmer

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

Program Purpose

The proposed program will prepare individuals for entry-level employment and advancement opportunities as front-line supervisors or lead positions in transportation, warehousing, distribution, and logistics centers.

Catalog Description

The Industrial Technology degree will prepare students for a variety of entry- to mid-level technician, operator, team leader, and supervisor positions in various industrial settings such as manufacturing, metalworking, construction, renewable energy, and fabrication. Students will learn skills in technical graphics, safety, AutoCAD, and computer literacy, as well as basic skills in one or more industrial areas such as construction, electronics, renewable energy, facilities maintenance, industrial maintenance, design and fabrication, and/or welding. Students will choose one technical area a specialization by completing one skills certificate as part of your elective hours and may use the remaining technical electives to gain skills in additional industrial areas or to complete an additional skills certificate.

Industrial Technology Advanced Certificate will prepare students for a variety of entry- to mid-level technician and/or operator positions in various industrial settings such as manufacturing, metalworking, construction, renewable energy, and fabrication. Students will learn skills in technical graphics, safety, AutoCAD, and computer literacy, as well as basic skills in one or more industrial areas such as construction, electronics, renewable energy, facilities maintenance, industrial maintenance, design and fabrication, and/or welding. Students may use technical elective hours to complete a skills certificate in one industrial area.

Curricular Information

The proposed program consists of 16 credit hours of general education coursework and 44 credit hours of required career and technical education coursework. The career and technical component includes instruction in introductory AutoCAD, introductory technical graphics, employability skills and success strategies, computer hardware, computer software applications, OSHA Construction Safety or OSHA General Industry Safety certification, and specialty options focusing in the areas of computer-aided drafting, construction, manufacturing processes, metalworking, fabrication, and renewable energies. Assessment of student learning will be achieved through evaluation of the student's performance by cumulative course completion.

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 programs in this field of study. According to the Illinois Department of Employment Security, growth in the employment of industrial technicians and managers is expected to increase by an average of 2.5 percent statewide through the year 2024.

Table 1: Employer Partners

Employer	Location
Advocate BroMenn Medical Center	Normal, IL
Alexander Lumber	Bloomington, IL
Ameren Illinois	Bloomington, IL
BJ Armstrong Custom Homes	Bloomington, IL
Caterpillar	Pontiac, IL
Crescent Electric Supply	Bloomington, IL
Daniel Manufacturing, Inc.	Carlock, IL
EDP Renewables	East Peoria, IL
Farnsworth Group	Bloomington, IL
G3 Machining	Bloomington, IL
GROWMARK, Inc.	Bloomington, IL
Lincoln Electric	Bolingbrook, IL
LSC Communications	Pontiac, IL
Midwest Fiber	Normal, IL
Nestle USA	Bloomington, IL
RB White	Bloomington, IL
Springfield Electric Supply Company	East Peoria, IL
Straight Up Solar	Bloomington, IL
TIMPTE	Bloomington, IL

Table 2: Projected Enrollments

Industrial Technology AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	10	15	20
Part-Time Enrollments:	10	15	20
Completions:	-	8	15

Industrial Technology Certificate	First Year	Second Year	Third Year
Full-Time Enrollments:	15	20	25
Part-Time Enrollments:	15	20	25
Completions:	-	10	20

Financial / Budgetary Information

The program will require only existing faculty, including eight full-time and six part-time faculty the first year. Qualified faculty will hold a combination of an associate degree in Industrial Technology or a related field and at least one year related occupational experience, and one year teaching experience is preferred. All existing facilities, equipment, and related resources are

currently in place to support the programs. The programs will otherwise be supported fiscally 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	-	-	-
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	0	0	0	0	0
Existing Faculty	8	6	8	6	8	6

Staff Conclusion

Heartland 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.

Illinois Valley Community College
815 N Orlando Smith Street
Oglesby, IL 61348
President: Dr. Jerome Corcoran

Proposed Program Title: Associate in Applied Science (AAS) in Agricultural Business Management (60 credit hours)

Program Purpose

The proposed program will prepare individuals for entry-level employment as supervisors, or for self-employment, in the agri-business field. The program will also provide individuals currently working in the field with an educational credential which may lead towards advancement.

Catalog Description

The Agricultural Business Management program prepares students for employment or self-employment in the food, agriculture, renewable natural resources, or in environmental occupations. Students study the latest in agricultural technology, sales, and marketing techniques, and develop management skills essential in the agriculture industry. Students with an AAS degree in Agricultural Business Management 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 crop science, introductory agricultural economics, introductory agricultural mechanics, agricultural microcomputer applications, introductory soil science, introductory and advanced agricultural business management, introductory precision agriculture, agricultural credit and finance, agricultural sales and marketing, an agricultural seminar and internship, 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.

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, 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 1980's and 1990's, but the programs 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 20-30 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: Employer Partners

Employers	Location
Archer Daniels Midlands (ADM)	Mendota, IL
Monsanto Company	Princeton, IL
Pioneer DuPont	Princeton, IL
Northern Partners Cooperative	Mendota, IL
GAINCO FS, Inc.	Ottawa, IL
1 st Farm Credit Services	Ottawa, IL
Agriculture Finance Dept-Illini State Bank	Tonica, IL
Illinois Corn Growers Association	Streator, IL

Table 2: Projected Enrollments

Ag Business Mgt AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	3	5	8
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, one year related occupational experience and one year teaching experience preferred. All facilities are adequately in place to support the program. The College received significant equipment donations from local employers 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	-	\$2,560	\$2,560
Administrator Costs	-	-	-
Other Personnel Costs	-	-	-
Equipment Costs	-	-	-
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (specify)	-	-	-
TOTAL NEW COSTS	\$0	\$2,560	\$2,560

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 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.

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

Proposed Program Title: Associate in Applied Science (AAS) in Instrumentation and Control Systems (60 credit hours)

Program Purpose

The purpose of the proposed degree is to prepare individuals for entry-level employment and advancement opportunities as instrumentation control technicians.

Catalog Description

The Associate in Applied Science in Instrumentation and Control Systems combines theory and hands-on training with state-of-the-art instruments, working processes, and computerized control systems. Students learn to install, test, calibrate, and maintain instruments that measure, indicate, and control variables such as pressure, flow, level, density, temperature, force, vibration, and chemical composition. Students apply math concepts, physics concepts, and industry standards to realistic situations encountered on the job. Additional instruction includes updating system documentation and building or modifying specialized systems to solve problems in measurement and control. The courses prepare the students to maintain, repair, and troubleshoot instruments and control systems in industries that increasingly rely on automation. These professionals may also be referred to as instrumentation and electrical technicians, instrumentation technicians, or instrumentation and controls technicians. They may work with automated equipment in manufacturing or assembly plants, waste water treatment facilities, and nuclear power plants to measure and monitor operational functioning.

Curricular Information

The degree curriculum consists of 19 credit hours of general education coursework, 31 credit hours of required career and technical education coursework, and 10 credit hours of related technical electives. The career and technical component includes instruction in fundamentals of AC and DC electricity, digital electronics, motor controls, PLC programming, beginning and intermediate levels of instrumentation, PID control, final control elements, and a required internship in instrumentation systems. Technical electives could be selected from coursework in computer technology, computer aided drafting, process operations, process technology, emergency responder training, or welding. 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.

Justification for Credit Hours Required for the Degree

In order for a student to be well-trained for working in the field, it is necessary to complete all of the instrumentation courses, the internship, and a required general education course in applied physics. Members of the program Advisory Committee support the career and technical education content of the curriculum.

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, growth in the employment of mechanical and miscellaneous engineering technicians is expected to increase by one to two percent statewide through the year 2024. Currently, there are no similar programs being offered by neighboring community college districts.

Table 1: Employer Partners

Employer	Location
Eastman Chemical	Sauget, IL
Phillips 66	Roxana, IL
Mallinkrodt	St. Louis, MO
Center Ethanol Company LLC	East St. Louis, IL
National Corn to Ethanol Research Center	Edwardsville, IL

Table 2: Projected Enrollments

Instrumentation & Control Systems AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	-	5	10
Part-Time Enrollments:	5	5	5
Completions:	-	5	5

Financial / Budgetary Information

The program will require two existing full-time and two existing part-time faculty the first year. Qualified faculty will hold at least a bachelor's degree in Engineering or Industrial Technology, at least two years of related occupational experience, and at least five years teaching experience. All facilities are adequately in place to support the program. Some new equipment and lab consumables will be purchased during the first two years of program implementation. Equipment and lab resources will be funded through monies provided by the College's Trade Adjustment Assistance Community College and Career Training Act Building Illinois Bioeconomy grant. The programs will otherwise be supported fiscally through student tuition and fees.

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	\$5,000	\$3,000	0
Library/LRC Costs	0	0	0
Facility Costs*	0	0	0
Other (Lab consumables)	\$2,000	\$6,000	\$3,000
TOTAL NEW COSTS	\$7,000	\$6,000	\$3,000

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	2	2	2	2	2	2

Staff Conclusion

Lewis and Clark 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.

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

Program Purpose

The purpose of the proposed degree is to prepare individuals for employment as a performing musician, recording studio technician, sound technician, and managerial positions in music production industry.

Catalog Description

The Associate in Applied Science in Music Production is designed to enable graduates to enter occupations such as music performer, record studio technician, sound technician, and potentially management or supervisory positions.

Curricular Information

The degree curriculum consists of 18 credit hours of general education coursework and 42 credit hours of required career and technical education coursework. The career and technical component includes instruction in introductory and intermediate music theory, modern business, major applied music instruction, minor applied music, music performance ensembles, electronic music production, sequencing and recording, music production with Midi, and music video production. Assessment of student learning will be achieved through evaluation of the student’s completion of a final project by program faculty.

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, growth in the employment of audio and video equipment technicians is expected to increase by 12.7 percent, employment of media and communications equipment workers by 4.2 percent, and employment of musicians and singers by 2.6 percent statewide through the year 2024. Currently, there are no similar programs being offered by neighboring community college districts.

Table 1: Employer Partners

Employer	Location
Bluff City Productions	Alton, IL
Pearl Audio	Alton, IL
Logic Systems	St. Louis, MO
LaDeDa Entertainment	St. Louis, MO
Swain Productions	Alton, IL
Contemporary Production	St. Louis, MO

Table 2: Projected Enrollments

Music Production AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	6	8	11
Part-Time Enrollments:	1	3	10
Completions:	-	5	6

Financial / Budgetary Information

The program will require two existing full-time and one new part-time faculty the first year. Qualified faculty will hold at least a bachelor's degree in Music or related Recording Technology, at least five years of related occupational experience, and least one year of teaching experience. All facilities are adequately in place to support the program. Some new equipment will be necessary over the first three years to support the program. The program will be supported fiscally through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$2,500	\$5,000	\$5,000
Administrator Costs	0	0	0
Other Personnel costs	0	0	0
Equipment Costs	\$500	\$500	\$500
Library/LRC Costs	0	0	0
Facility Costs*	0	0	0
Other	0	0	0
TOTAL NEW COSTS	\$3,000	\$5,500	\$5,500

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	1	0	2	0	0
Existing Faculty	2	0	2	1	2	3

Staff Conclusion

Lewis and Clark 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.

Lake Land College
5001 Lake Land Boulevard
Matoon, IL 61938
President: Dr. Jonathan Bullock

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

Program Purpose

The purpose of the proposed degree is to prepare individuals for entry-level employment and advancement opportunities in the field of medical assisting.

Catalog Description

The Associate in Applied Science (AAS) in Medical Assistant is a two-year program designed to educate the student for employment providing assistance to the physician in caring for patients in the medical office, clinic, or outpatient facility. The wide range of clinical and business duties provides an interesting career for one who enjoys working with people. This program was developed according to industry standards under the guidelines of the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Curricular Information

The curriculum consists of 21 credit hours of general education coursework, 36 credit hours of required career and technical education coursework, and three credit hours of related technical electives. The general education component includes coursework in biology, math and applied math, oral and written communications, psychology, and nutrition. The career and technical component includes instruction in introductory and advanced levels of medical assisting, medical office procedures, introductory and advanced levels of medical assistant pathophysiology, pharmacology, medical office software applications, medical office seminar, and a required medical office externship. 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.

Justification for Credit Hours Required for the Degree

The proposed curriculum was developed based on guidelines of the CAAHEP for the purpose of graduates obtaining industry credentialing through the American Medical Technologists (AMT) or through the American Association of Medical Assistant (AAMA). These guidelines and standards are the minimum required for program accreditation.

Accrediting Information

The program was developed according to industry standards under the guidelines of the CAAHEP. Graduates of the program will be eligible for credentialing through the AMT as a Registered Medical Assistant prior to CAAHEP accreditation. Once accredited, graduates will also be eligible for credentialing as a Certified Medical Assistant (CMA) through the AAMA.

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, growth in the employment of medical assistants is expected to increase by 12 percent statewide through the year 2024.

Table 1: Employer Partners

Employer	Location
Sarah Bush Lincoln Health Center	Mattoon, IL
Springfield Clinic	Effingham, IL
HSHS Medical Group of Central IL	Effingham, IL
Carle Clinic	Mattoon, IL
Dr. Schubert Ophthalmology	Mattoon, IL
Mid Illinois Medical Care	Effingham/Teutopolis/Altamont/Dietrich, IL
Bonutti Clinic	Effingham, IL
Effingham Obstetrics & Gynecology Assoc.	Effingham, IL
Jerabek Wellness & Family Health	Casey, IL
Opilka Medical Clinic	Altamont, IL
Graham Family Foot & Ankle Center	Effingham, IL

Table 2: Projected Enrollments

Medical Assistant AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	2	8	10
Part-Time Enrollments:	2	6	8
Completions:	3	12	15

Financial / Budgetary Information

The program will require one existing full-time faculty the first year. Qualified faculty will hold at least an associate degree in Medical Assisting with current CMA credentialing. The Program Director will, in addition, have three years' work experience in medical assisting and one year teaching experience. All facilities are adequately in place to support the program. Some new equipment will be purchased during the first year of program implementation. The program will be supported fiscally through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$23,500	\$23,500	\$23,500
Administrator Costs	\$11,000	\$11,000	\$11,000
Other Personnel costs (Admin Asst)	\$6,700	\$6,700	\$6,700
Equipment Costs	\$7872.34	-	-
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (specify)	-	-	-
TOTAL NEW COSTS	\$38,072.34	\$30,200	\$30,200

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

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.

Spoon River College
23235 North County Highway 22
Canton, IL 61520
President: Mr. Curtis Oldfield

Proposed Program Title: Associate in Applied Science (AAS) in Logistics and Operations Management (61 credit hours)

Program Purpose

The purpose of the proposed degree is to prepare individuals for entry-level employment as supervisors of logistics and operations along the supply chain. The program will also provide individuals currently working in the field with an educational credential which may lead to advancement.

Catalog Description

The AAS in Logistics and Operations Management is designed as a two-year program which will prepare students for a career path in the transportation, distribution, and logistics career cluster. Students will be prepared for entry-level positions in a variety of distribution, logistics, and warehouse operations.

Curricular Information

The degree program requires 15 credit hours of general education coursework, 37 credit hours of required career and technical coursework, and nine credit hours of technical electives. The career and technical component includes instruction in introductory logistics management, micro- and macro-economics, transportation, accounting, advertising, project management, supply chain management, supervision, legal aspects, and computer business applications. 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.

Justification for Credit Hours Required for the Degree

The proposed degree program exceeds 60 credit hours due to the internship course which can be taken for one to four credit hours. The Advisory Committee felt strongly that a work-based learning experience would be valuable to maintaining employment successfully in this field for new graduates.

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, employment of transportation and material moving operations occupations is expected to increase by 8.5 percent, and employment of material moving workers is expected to increase by 8.6 percent statewide through 2024.

Table 1: Employer Partners

Employers	Location
DOT Foods, Inc.	Mt. Sterling, IL
Tarter Feed & Fertilizer	Canton, IL
JCJ Transport	East Moline, IL
Roadway	East Moline, IL
Risinger Trucking	Morton, IL
Star Transportation	Morton, IL

Table 2: Projected Enrollments

Logistics & Ops Mgt AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	4	6	8
Part-Time Enrollments:	4	6	8
Completions:	-	4	10

Financial / Budgetary Information

One existing full-time, two existing part-time faculty, and one additional new part-time faculty will be budgeted for as necessary to implement the program. Qualified faculty must hold at least an associate degree in a related field, two years related occupational experience, and one year teaching experience preferred. All facilities and equipment are adequately in place to support the program. Only costs to support new faculty are anticipated during the first three years of program implementation. The program will be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$12,000	\$12,000	\$12,000
Administrator Costs	-	-	-
Other Personnel Costs	-	-	-
Equipment Costs	-	-	-
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (specify)	-	-	-
TOTAL NEW COSTS	\$12,000	\$12,000	\$12,000

Table 4: Faculty Requirements

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

Staff Conclusion

Spoon River 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.

Triton College
2000 Fifth Avenue
River Grove, IL 60171
President: Ms. Mary-Rita Moore

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

Program Purpose

The purpose of the proposed degree is to prepare individuals for entry-level employment in construction.

Catalog Description

The AAS in Construction Technology provides students with the skills needed in the dynamic construction industry. The program is designed to place students into the workforce upon completion of the two-year degree, although some transfer opportunities may exist. This program prepares students to be proficient in both residential and commercial construction. The program allows students to specialize in a particular area in the field, but also provides skills that are essential across all fields such as blueprint reading, reasoning, and math used for construction jobs.

Curricular Information

This program was granted temporary approval in 2011 and has been active for a period of four years. The original degree program, titled “Independent Building Contractor,” has been revised based on advisory committee input to better prepare students for the local labor market. The proposed curriculum focuses more on preparation for employment in construction, rather than focusing on starting a personal construction/contracting business. The proposed degree program requires 17 credit hours of general education coursework and 43 credit hours of career and technical coursework. The career and technical component includes instruction in beginning through advanced levels of materials, methods and sustainability; AutoCAD and 3D modeling; construction codes and documents; history of architecture; surveying; construction planning and scheduling; construction cost estimating; site design and construction; soils, hydrology and storm drainage; strength of materials and basic structures; rough carpentry; finish carpentry; exterior finishes; plumbing: fixtures, valves and faucets; beginning and intermediate levels of plumbing installation and repair; electricity; and residential wiring installation and repair. Assessment of student learning will be achieved through evaluation of the student’s performance on a comprehensive final project

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. During the temporary approval period, the College

found that students were not enrolling in the program with the sole intention of starting their own business. Student evaluations indicated they planned to seek work with an established construction company prior to starting a personal contracting business. Based on student surveys, faculty review and advisory committee input, the College redesigned the program to better suit the needs of students and local employers. According to the Illinois Department of Employment Security, employment of construction managers, first line supervisors in construction, and carpenters is expected to increase between 2.3 and 8.6 percent statewide through 2024. In addition, the College has developed related, stackable certificates in Carpentry and Plumbing. The proposed degree will provide students and graduates of those certificates with an educational ladder opportunity.

Table 1: Employer Partners

Employers	Location
The Code Group	Chicago, IL
Rockey Structures	Oak Park, IL
Federal Mogul	Skokie, IL
Public Design Architects	Oak Park, IL
Eakin & Associates	Chicago, IL
BKV Group	Chicago, IL
O'Donnell Wicklund Piggozzi & Peterson	Chicago, IL
Metropolis Architects & Builders	Oak Park, IL
Studio ARQ	Chicago, IL
Wheeler Kearns Architects	Chicago, IL
Architectural Consulting Engineers	Oak Park, IL
Dominican University	River Forest, IL
Adrian Smith + Gordon Gill Architecture	Chicago, IL
Tom Bassett Dilley Architect	Oak Park, IL
Vanderbeke Associates	Chicago, IL
makearchitecture	Chicago, IL
Ridgewood High School	Norridge, IL
East Leyden High School	Franklin Park, IL

Table 2: Projected Enrollments

Construction Tech AAS	First Year	Second Year	Third Year
Full-Time Enrollments:			
Part-Time Enrollments:	11	14	16
Completions:	0	5	8

Financial / Budgetary Information

Two existing part-time faculty will be required to support the program. All facilities and equipment are adequately in place to support the program. Many resources are shared with existing programs in Architecture and related construction areas. The program will 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			
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	-	-	-	-	-	-
Existing Faculty	-	2	-	2	-	2

Staff Conclusion

Triton 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.

Proposed Program Title: Associate in Applied Science (AAS) in Renewable Energy Technology (64 credit hours)

Program Purpose

The purpose of the proposed degree is to prepare individuals for entry-level employment as a solar technology installer/technician, wind turbine technician, smart grid technician, or energy auditor.

Catalog Description

The Renewable Energy Technology degree emphasizes basic techniques and skills necessary for entry-level employment in the alternative energy industry. Students acquire proficiency in electrical and magnetism, controls, photovoltaics (PV), wind, energy efficiency, effective communications and employment skills. Program graduates may seek entry-level employment in companies such as solar installation, wind, energy auditing and weatherization and may be employed as solar technicians, wind technicians, and energy auditors. Some may be

entrepreneurial and may choose to start their own renewable energy companies. The Renewable Energy Technology curriculum is designed to meet the increasing demands for skilled renewable energy technicians in solar, wind, and energy efficiency. Coursework emphasizes safety, electricity and magnetism, and controls, in addition to renewable energy technologies.

Curricular Information

The degree program requires 17 credit hours of general education coursework and 47 credit hours of career and technical coursework. The career and technical component includes instruction in introductory renewable energy, introductory and intermediate electricity, National Electrical Code principles, photovoltaic design fundamentals, PV grid-tie installation, PV system integrator, advanced PV on/off grid installations, fluid power, programmable logic controllers, wind power design fundamentals, wind turbine maintenance, plane trigonometry, arc flash prevention, energy auditing & building weatherization fundamentals, and OSHA 10 Hour certification. Assessment of learning will be achieved through evaluation of the student performance on comprehensive written and performance tests. Graduates of the program will be prepared for the North American Board of Certified Energy Practitioners Photovoltaic Installer exam, and the Building Performance Institute exam for energy auditing and weatherization.

Justification for Credit Hours Required for the Degree

The proposed degree program exceeds 60 credit hours due coursework included that will prepare students for entry-level employment in the field of renewable energy. The general education component includes a five credit hour physics course, which pushes the total over the minimum required of 15 credit hours. Furthermore, the career and technical component includes several four credit hour electricity and photovoltaic courses that also increase the total credit hours. The degree curriculum was developed by and is fully supported by the College’s program advisory committee.

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 IDES, employment of solar and photovoltaic installers and repairers is expected to increase by 24.3 percent through 2024 and employment of wind turbine service technicians is expected to increase by 108 percent statewide through 2022.

Table 1: Employer Partners

Employers	Location
Oak Park-River Forest High School	Oak Park, IL
ComEd	Oak Brook, IL
American Renewable Energy, LLC	Evanston, IL
Elevate Energy	Chicago, IL
Millennium Solar	Chicago, IL
Seven Generations Ahead	Oak Park/River Forest, IL

Table 2: Projected Enrollments

Renewable Energy Tech AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	24	32	40
Part-Time Enrollments:	16	24	32
Completions:	0	24	36

Table 2: Projected Enrollments

Construction Tech AAS	First Year	Second Year	Third Year
Full-Time Enrollments:			
Part-Time Enrollments:	11	14	16
Completions:	0	5	8

Financial / Budgetary Information

One new full-time and one new part-time faculty will be required to implement the program. Qualified faculty will hold at least a bachelor’s degree in a related discipline, an active electrician’s license (for electricity courses), at least one year of related occupational experience, and one year teaching experience. All facilities are adequately in place to support the program. Some equipment and supply costs will be incurred to implement and operate the program over the first three years. 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	\$52,000	\$54,000
Administrator Costs	-	-	-
Other Personnel Costs	-	-	-
Equipment Costs	\$250,000	\$250,000	-
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (instructional supplies)	\$7,000	\$5,000	\$5,000
TOTAL NEW COSTS	\$307,000	\$307,700	\$59,000

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

Staff Conclusion

Triton 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
President: Dr. Matthew Fowler

Proposed Program Title: Associate in Applied Science (AAS) in Gunsmithing (63 credit hours)

Program Purpose

The purpose of the proposed degree is to prepare individuals for employment as skilled gunsmiths and machinists who repair, modify, design, or build firearms to factory or customer specifications, using hand and machine tools.

Catalog Description

The Gunsmithing program provides training in custom gunsmithing and gun repair, and it develops the basic knowledge and skills necessary to become a professional gunsmith. The program includes firearms design and function, stock-making, bench metal work, machine metal work, and gun bluing and metal finishing. The program also includes instruction in gun safety, federal background checks and licensing, and state and local rules and regulations. Students must be at least 18 years old to enroll in this program. Students are required to provide a basic set of hand tools.

Curricular Information

The proposed program requires 15 credit hours of general education coursework and 48 credit hours of career and technical coursework. The career and technical component includes instruction in introductory through advanced levels of gunsmithing techniques, Model 1911 pistol build, AR15 Rifle Build, alternative finishes, gun safety, first aid, employability skills, industry certification and licensure, and related technical electives in machining, welding, metalworking, and business.

Justification for Credit Hours Required for the Degree

The curriculum was designed based on standards outlined by the federal Bureau of Alcohol, Tobacco, Firearms, and Explosives. The curriculum includes content required for safety working with and around firearms as well as coursework required by the College for completion of an associate's degree. The advisory committee supports the content of the curriculum.

Accrediting Information

The curriculum was designed based on standards outlined by the Bureau of Alcohol, Tobacco, Firearms and Explosives and leads towards the necessary firearms licensure and clearance required to work as a gunsmith. In addition, the program has received primary endorsements from the National Rifle Association, among other industry organizations. No state or local accreditation, endorsements, or approvals are required.

Supporting Labor Market Data (including employer partners)

Labor market information provided by the College continues to support the interest in and the need for a program in this field of study. This program was granted temporary approval in

March 2008 and was implemented in fall 2009. Overall, the College has met their original benchmarks for enrollment and completion over the temporary approval period. Job placement rate has been 75 percent with graduates being placed in employment in Illinois, Indiana, Iowa, Tennessee, Nebraska, Missouri, Louisiana, and the United States Military. According to the Illinois Department of Employment Security, employment of occupations related to gunsmithing (machinists) is expected to increase by 12.6 percent statewide and by ten percent within the College's district through 2022.

Table 1: Employer Partners

Employer	Location
White Oak Armament	Carlock, IL
Locked & Loaded	Pana, IL
Four-Ten Outdoors	Mt. Carmel, IL
Schuh's Firearms	Mt. Carmel, IL
Bucks & Jakes	Evansville, IN

Table 2: Projected Enrollments

Gunsmithing AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	21	29	21
Part-Time Enrollments:	2	2	11
Completions:	-	7	14

Financial / Budgetary Information

One existing full-time and one existing part-time faculty are required to operate the program. All faculty are licensed by the Bureau of Alcohol, Tobacco, Firearms and Explosives. No new costs will be required to operate the program. The program utilizes all existing facilities and equipment and is fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	-	-	-
Administrator Costs	-	-	-
Other Personnel costs (adjunct faculty)	-	-	-
Equipment Costs	-	-	-
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (specify) –Prof. Dev./Mileage	-	-	-
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

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.

