

**APPROVED
OCTOBER 1, 2013**

Item #III-11
October 1, 2013

NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES

Submitted for: Action.

Summary: This item requests approval of 22 new associate degree programs to be offered at 14 community colleges.

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

Carl Sandburg College

- Associate in Applied Science in Cosmetology
- Associate in Applied Science in Emergency Medical Services-Paramedic
- Associate in Applied Science in Health Information Management

College of DuPage

- Associate in Applied Science in Culinology and Food Science

Harper College

- Associate in Applied Science in Advanced Manufacturing Technology
- Associate in Applied Science in Welding Technology

Heartland Community College

- Associate in Applied Science in Sustainable Energy Systems

John A. Logan Community College

- Associate in Applied Science in Sustainable Energy

Kaskaskia College

- Associate in Applied Science in Cosmetology

Lewis & Clark Community College

- Associate in Applied Science in Medical Assistant

Lincoln Land Community College

- Associate in Applied Science in Culinary Arts
- Associate in Applied Science in Respiratory Care

Malcolm X College

- Associate in Applied Science in Health Information Management

McHenry County College

- Associate in Applied Science in Engineering Technology
- Associate in Applied Science in Web Design and Development

Moraine Valley Community College

- Associate in Applied Science in Emergency Medical Services
- Associate in Applied Science in Fire Service Operations
- Associate in Applied Science in Sleep Technology

Olive-Harvey College

- Associate in Applied Science in Transportation, Distribution and Logistics

Southeastern Illinois College

- Associate in Applied Science in Biofuels Production and Sustainability

Triton College

- Associate in Applied Science in Sustainable Agriculture Technology
- Associate in Applied Science in Sustainable Landscape Practices

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, staffs of the IBHE and the Illinois Community College Board (ICCB) review the proposal. Once agreement is reached on a proposal having met the approval criteria, a recommendation for approval is presented to each board.

Carl Sandburg College
2400 Tom L. Wilson Boulevard
Galesburg, Illinois 61401
President: Dr. Lori Sundberg

Proposed Program Title in Region of Authorization: Associate in Applied Science in Cosmetology

Projected Enrollments: The College anticipates an enrollment of 20 full-time students each year for the first three years.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Carl Sandburg College is seeking approval to offer a 69 semester credit hour Associate in Applied Science degree program in Cosmetology. This program will prepare individuals for entry-level employment and licensure as a cosmetologist, as well as for advancement into salon management. The curriculum was developed according to the standards outlined for licensed cosmetologists and is approved by the Illinois Department of Financial and Professional Regulation. Graduates will be eligible for licensure in the State of Illinois. The curriculum includes 16 semester credit hours of required general education coursework and 53 semester credit hours of required career and technical coursework. The career and technical component of the curriculum includes instruction in introductory through advanced levels of cosmetology theory, technical aspects of cosmetology, concepts of cosmetology laboratory, salon business, management and marketing, cosmetology career planning, and over 1,500 hours of practical learning experience. Assessment of student learning objectives will be achieved through evaluation of the student's performance during their practical learning experience.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for more licensed cosmetologists prepared for salon management within the College's district.

According to the Illinois Department of Employment Security, employment of all personal appearance workers is expected to increase by 20 percent statewide through the year 2020.

Resources: Faculty, Staff, etc.

The College currently offers a related 50 credit hour Cosmetology Certificate program which fully articulates into the proposed degree program. All existing facilities and equipment are adequate to support the program. Two existing full-time and two existing part-time faculty will be required the first year of the program. All qualified faculty must hold at least a Certificate in Cosmetology, an active cosmetology and cosmetology instructor license in the State of Illinois, in addition to five years related occupational experience and one year teaching experience. No new costs are anticipated to implement the proposed degree. The program will otherwise be supported by student tuition and fees.

Staff Conclusion. Carl Sandburg 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 in Region of Authorization: Associate in Applied Science in Emergency Medical Services-Paramedic

Projected Enrollments: The College anticipates an enrollment of five full-time students each year for the first three years of the program.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Carl Sandburg College is seeking approval to offer a 69 credit hour Emergency Medical Services-Paramedic Associate in Applied Science degree program. This program will prepare individuals who currently hold their Emergency Medical Technician-Basic (EMT-B) license for employment as EMT-Paramedics (EMT-P). The curriculum consists of 29 credit hours of required general education coursework and 40 credit hours of required career and technical education coursework. The career and technical component includes courses in medical terminology, basic emergency medical technology, emergency medical technology-trauma, paramedicine, emergency medical technology-specialized care, biomedical ethics, and required practical learning experience of 640 hours in a pre-hospital emergency care environment. The program was developed according to the U.S. Department of Transportation’s Highway Traffic Safety Administration’s National Standard Curriculum for EMTs and will prepare graduates for the required Paramedic licensure through the Illinois Department of Public Health. The program will also serve as an educational ladder opportunity for individuals who have completed the College’s existing EMT-Basic and Paramedic Certificates. The College is currently working with several different local employers to provide this training. The work-based learning sites include local ambulance services and hospitals. Assessment of student learning objectives will be achieved through evaluation of the student’s performance during the last work-based learning rotation of the student’s final semester.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a paramedic level training program within the College’s district. Over the past several years the College has offered the EMT-Basic program that adequately met the needs of local

employers. However, with recent changes to licensure requirements for any EMT personnel working in pre-hospital emergency environment, the College and local employers have collaborated to develop the proposed program, as well as a recently approved EMT-Paramedic Certificate, to meet the new requirements as well as continue to serve their local needs. According to the Illinois Department of Employment Security, employment of EMTs and Paramedics is projected to increase by 26.7 percent through 2020 statewide.

Resources: Faculty, Staff, etc.

The program will require one existing full-time, one existing part-time, and two new part-time faculty the first year. Qualified faculty will hold an Associate's degree in Emergency Medical Services or a related health field, a current Illinois EMS-Paramedic license, two years of related occupational experience, and some teaching experience. All facilities and equipment are currently in place to adequately support the program. Costs of implementing the proposed program are estimated at \$26,565 the first year, \$27,614 the second year, and \$29,690 the third year. The program will otherwise be supported through student tuition and fees.

Staff Conclusion. Carl Sandburg 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 in Region of Authorization: Associate in Applied Science in Health Information Management

Projected Enrollments: The College anticipates an enrollment of ten full-time students per year during the first three years.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Carl Sandburg College is seeking approval to offer a 69 credit hour Associate in Applied Science degree in Health Information Management. This program will prepare individuals for employment as health information technicians in a variety of health information technology environments, such as hospitals, physician's offices, and insurance companies. The curriculum consists of 24 credit hours of required general education and 45 credit hours of required career and technical education. The career and technical component includes instruction in medical terminology, basic health statistics, medical law and ethics, introductory and advanced electronic health records, pharmacology, introductory health information management, medical coding ICD9/ICD10, medical coding CPT-4, medical office procedures, insurance and medical billing, business communications, customer service, computer applications, and a required health information technology practical learning experience.

The curriculum was developed according to American Health Information Management Association (AHIMA) guidelines for health information technology educational programs. Completers of the program will be eligible for AHIMA's Registered Health Information Technician (RHIT) certification exam. Assessment of student learning in the program will be achieved through evaluation of the student's performance on a comprehensive exam, a practice credentialing exam, and through a portfolio review. Program accreditation is available through the Commission on Accreditation of Health Informatics and Information Management. Once the program is accredited, graduates will be able to sit for the related AHIMA credentialing exams.

Accreditation is retro-active once at least one class of students has completed and the College completes its application/site visit.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a series of programs related to health information technology. Nationally and locally, an above average demand for medical records and health information technicians is expected through 2020, according to the U.S. Department of Labor-Bureau of Labor Statistics and the Illinois Department of Employment Security.

Resources: Faculty, Staff, etc.

The College currently offers related programs in Medical Assisting and Medical Office Specialist. The proposed degree will provide an educational ladder opportunity for existing students and recent graduates, as the majority of coursework articulates towards completion of the proposed degree. The program will require four existing full-time, three existing part-time, and two new part-time faculty to implement. Qualified faculty will possess a minimum of an Associate's degree in Health Information Management, RHIT certification, two years related occupational experience, and teaching experience. All facilities and equipment are currently in place to adequately support the programs. Costs to implement the program are estimated at \$2,313 the first year, \$2,404 the second year, and \$2,499 the third year. The programs will otherwise be supported through student tuition and fees.

Staff Conclusion. Carl Sandburg 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.

College of DuPage
425 Fawell Boulevard
Glen Ellyn, Illinois 60137
President: Dr. Robert Breuder

Proposed Program Title in Region of Authorization: Associate in Applied Science in Culinology and Food Science

Projected Enrollments: The College of DuPage anticipates an enrollment of ten full-time and ten part-time students each year over the first three years.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

The College of DuPage is seeking approval to offer a 65 credit hour Associate in Applied Science degree in Culinology and Food Science. Culinology is a new and emerging field that blends culinary arts and techniques with food science and technology. This program will prepare individuals for entry-level employment in a variety of occupations related to culinary arts, food product development, food research, food manufacturing, and food processing. The curriculum consists of 18 credit hours of required general education coursework and 47 credit hours of required career and technical education coursework. The career and technical component includes instruction in foodservice sanitation; classical cuisine; culinary arts-garde manger; pastry arts-baking and patisserie; food/beverage/equipment purchasing and sales; food laws and

regulations; food manufacturing and processing; elements of taste and flavor; culinary measurement and conversions; nutrition for the foodservice professional; quantity food preparation; and a required internship in a related culinary arts, food manufacturing, or food science area. Assessment of student learning will be achieved through evaluation of the student's performance during the work-based learning experience.

Labor Market Information

Based on information provided by the College, there is a strong interest in formalized education in this field of study. According to the Illinois Department of Employment Security, employment of food scientists statewide is expected to remain level through 2020. The College worked closely with local food manufacturers ConAgra, Unilever and McCain Foods to establish a program that would prepare individuals currently working in culinary arts, as well as students new to the field, with the skills necessary for employment in culinology occupations. These employers suggest the need for training existing employees in new roles as the field continues to develop.

Resources: Faculty, Staff, etc.

All facilities and equipment are in place to adequately support the program through shared resources in existing Culinary Arts and Baking/Pastry Arts related programs. The program will require one existing full-time and one new part-time faculty the first year. Qualified faculty will hold at least a Bachelor's degree in Culinary Arts/Food Science, three to five years of related occupational experience, and three to five years teaching experience. Costs to implement the program will be approximately \$6,000 per year over the first three years. The program will be supported fiscally through student tuition and fees.

Staff Conclusion. The 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.

Harper College
1200 West Algonquin Road
Palatine, Illinois 60067
President: Dr. Kenneth Ender

Proposed Program Title in Region of Authorization: Associate in Applied Science in Advanced Manufacturing Technology

Projected Enrollments: This program has exceeded its original benchmarks for enrollments and retention. Twenty students completed the Certificate program and have enrolled in further coursework towards completion of the degree.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Harper College is seeking permanent approval to offer a 60 credit hour Advanced Manufacturing Technology Associate in Applied Science degree program. The program was granted temporary approval in September 2012 and has been in operation for two semesters. This program prepares individuals for entry-level employment as technicians in a variety of skilled manufacturing settings. The career and technical component of the curriculum includes

instruction in introductory manufacturing and safety, quality and measurement, manufacturing processes, introductory manufacturing maintenance, introductory electronics, introductory industrial electronics maintenance, programmable logic controllers, introductory and advanced electrical wiring, industrial control systems, and a manufacturing internship. Specialized coursework in one of the following areas is also required: mechatronics, precision machining, metal fabrication, or supply chain management/logistics. Assessment of student learning objectives will be achieved through an evaluation of the student's performance during the work-based learning component of the curriculum by program faculty and the work-site supervisor.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a formalized degree program in this field of study. According to the Illinois Department of Employment Security, employment of manufacturing workers is expected to increase slower than the average employment growth for all occupations statewide through 2020. However, locally this program has exceeded its original benchmarks for enrollments and retention. The degree also offers an educational ladder opportunity for graduates of the College's related Manufacturing Production Certificate or existing technicians in related specialties of manufacturing.

Resources: Faculty, Staff, etc.

One full-time and two part-time faculty are necessary to support the program. Qualified faculty possess a Bachelor's degree in Manufacturing Technology or an Associate's degree in a Manufacturing technology field, have three to five years occupational experience, and one year teaching experience. All facilities and equipment are currently in place to adequately support the programs. The program is supported fiscally through student tuition and fees.

Staff Conclusion. Harper 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 in Region of Authorization: Associate in Applied Science in Welding Technology

Projected Enrollments: Original expectations for students completing coursework in the related certificates that apply towards the degree were exceeded. Forty students enrolled during the Fall 2012 semester and 109 students enrolled in the Spring 2013 semester. Sixteen completed course requirements in the related Basic Pipe Welding Certificate and have enrolled in further coursework towards completion of the higher level certificates and degree.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Harper College is seeking permanent approval to offer a 60 credit hour Welding Technology Associate in Applied Science degree. The degree was granted temporary approval in September 2012 and has been in operation for two semesters. The program prepares individuals for employment at a variety of levels in welding. The College was approached by several local manufacturing employers who were looking for a series of certificates that would lead towards a degree and provide a variety of industry credentialing opportunities. The College has two shorter-term certificate programs in welding already approved. The degree program was

designed to provide that educational ladder for existing certificate students, as well as new students. The curriculum was developed according to American Welding Society (AWS) guidelines for welding certification in the field.

The A.A.S. degree curriculum consists of 18 credit hours of required general education coursework and 42 credit hours of required career and technical education coursework. The career and technical component of the curriculum includes instruction in introductory and advanced welding, introductory and advanced welding fabrication, pre-pipe welding, basic pipe welding, cutting processes, applied welding theory, welding power sources, and print and schematics. The program prepares graduates for certification through the AWS as Level I (Entry Welder), Level II (Advanced Welder), and Level III (Expert Welder) welders. Assessment of student learning objectives is achieved through evaluation of the student's performance on practice AWS S.E.N.S.E. (Schools Excelling through National Skill Standards Education) exams.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a formalized degree program in this field of study. According to the Illinois Department of Employment Security, employment for welders is expected to increase by 6.1 percent statewide through 2020.

Resources: Faculty, Staff, etc.

One full-time and two part-time faculty are necessary to support the program. Qualified faculty possess an Associate's degree in Welding or related trade field, industry certification, have three years occupational experience, and one year teaching experience. All facilities and equipment are currently in place to adequately support the program. The program is supported fiscally through student tuition and fees.

Staff Conclusion. Harper 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.

Heartland Community College
1500 West Raab Road
Normal, Illinois 61761
President: Mr. Robert Widmer

Proposed Program Title in Region of Authorization: Associate in Applied Science in Sustainable Energy Systems

Projected Enrollments: The College anticipates a combined enrollment of five full-time and ten part-time students the first year, increasing to eight full-time and 15 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Heartland Community College is seeking approval to offer a 64 credit hour Sustainable Energy Systems Associate in Applied Science degree program. The degree program will prepare individuals for entry-level employment and advancement opportunities in fields supported by

sustainable energy systems. Degree graduates will be employable as design, installation/repair, and maintenance technicians in building automation, geothermal installation and repair, building sustainability and energy collection (such as hydropower, solar thermal power, and biofuel production). Graduates will also be eligible for advancement into management or technical sales. The curriculum consists of 17 credit hours of required general education coursework, 38 credit hours of required career and technical education coursework, and nine credit hours of technical electives focusing in one of three options: environmental control, biofuels, or hydro and HVAC. The career and technical component includes instruction in building mechanical and electrical systems, industrial electricity and systems, air conditioning and refrigeration, electrical wiring and maintenance, heating systems, industrial controllers, green building technology, building automation, networking and computer information systems, introductory technical graphics, sustainability and renewable energy. Assessment of student learning will be achieved through evaluation of the student's performance on a practice credentialing exam as well as through a final comprehensive project.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for more green educational and training programs in this field of study. According to the Illinois Department of Employment Security, employment of HVAC technicians is expected to increase by 19.4 percent statewide through 2020. The College developed the proposed program through collaboration with the Illinois Green Economy Network (IGEN), a U.S. Department of Labor Trade Adjustment Assistant Community College and Career Training (TAACCCT) grant-funded initiative charged with the promotion and development of training programs that meet the needs of industry in new and emerging green technology and provide green career pathways for students. Curricula developed in response to IGEN needs are expected to provide options for students to transfer as well as train students with strong technical skills that will support a green economy. The College has identified the potential for local growth opportunities in this field. Furthermore, the proposed degree program provides an educational ladder opportunity for students/graduates of related certificates offered by IGEN partner institutions.

Resources: Faculty, Staff, etc.

The program will require four existing full-time faculty, two existing part-time faculty, and one new part-time faculty person the first year. Qualified faculty will hold a Bachelor of Science degree in Industrial Technology, Alternative Energy Technology or a related field; have five years related occupational experience; and possess two years of teaching experience. All facilities are currently in place to adequately support the program. Costs to implement the program are being covered by TAACCCT grant fund. The program will be fiscally supported by student tuition and fees in the future.

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.

John A. Logan Community College
700 Logan College Drive
Carterville, Illinois 62918
President: Dr. Michael Dreith

Proposed Program Title in Region of Authorization: Associate in Applied Science in Sustainable Energy

Projected Enrollments: The College anticipates an enrollment of 12 full-time and four part-time students the first year, increasing to 18 full-time and ten part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

John A. Logan College is seeking approval to offer a 62 credit hour Associate in Applied Science degree in Sustainable Energy. This program will prepare individuals for entry-level employment and advancement opportunities in sustainable energy fields. Graduates of the proposed program will be prepared for employment as design, installation/repair, and maintenance technicians with skills in energy auditing, thermal imaging services, weatherization, energy efficiency, geothermal technologies, hydropower, wind energy, solar energy, and biofuels. The curriculum consists of 15 credit hours of required general education coursework, 41 credit hours of required career and technical education coursework, and six credit hours of related technical electives. The career and technical component includes instruction in basic electricity and wiring, power distribution and motors, building systems performance, geothermal systems, introductory and intermediate heating, refrigeration and air conditioning, hydropower, renewable energy systems, energy auditing and thermography, and renewable energy principles. Technical electives focus in one of three specialties: environmental control, biofuels, or hydro and HVAC. Assessment of student learning objectives will be achieved through evaluation of the student's performance on a practice credentialing exam.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for more green educational and training programs in this field of study. According to the Illinois Department of Employment Security, employment of HVAC technicians is expected to increase by 19.4 percent statewide through 2020. The College developed the proposed programs through collaboration with the Illinois Green Economy Network (IGEN), a U.S. Department of Labor Trade Adjustment Assistant Community College and Career Training (TAACCCT) grant-funded initiative charged with the promotion and development of training programs that meet the needs of industry in new and emerging green technology and provide green career pathways for students. Curricula developed in response to IGEN needs are expected to provide options for students to transfer as well as train students with strong technical skills that will support a green economy. The College has identified the potential for local growth opportunities in this field. Furthermore, the proposed degree program provides an educational ladder opportunity for students/graduates of related certificates offered by IGEN partner institutions.

Resources: Faculty, Staff, etc.

The program will require two existing full-time faculty and eight existing part-time faculty the first year. Qualified faculty will hold a Bachelor of Science degree in HVAC Technology, Alternative Energy Technology or a related field; have three years related

occupational experience; and one year of teaching experience. All facilities are currently in place to adequately support the program. Costs to implement the programs are being covered by TAACCCT grant funds. New equipment totaling \$8,800 will be purchased during the first year with grant funds. The program will be fiscally supported by student tuition and fees in the future.

Staff Conclusion. John A. Logan 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.

Kaskaskia College
27210 College Road
Centralia, Illinois 62801
President: Dr. Jim Underwood

Proposed Program Title in Region of Authorization: Associate in Applied Science in Cosmetology

Projected Enrollments: The College anticipates an enrollment of 55 full-time students each year for the first three years.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Kaskaskia College is seeking approval to offer a 71 semester credit hour Associate in Applied Science degree program in Cosmetology. This program will prepare individuals for entry-level employment and licensure as a cosmetologist, as well as for advancement into salon management. The curriculum was developed according to the standards outlined for licensed cosmetologists and is approved by the Illinois Department of Financial and Professional Regulation. Graduates will be eligible for licensure in the State of Illinois. The curriculum includes 15 semester credit hours of required general education coursework and 56 semester credit hours of required career and technical coursework. The career and technical component of the curriculum includes instruction in introductory through advanced levels of beauty culture theory, fundamentals of hair color, work ethics, first aid, salon business, management and marketing, cosmetology career planning, and over 1,500 hours of practical learning experience. Assessment of student learning objectives will be achieved through evaluation of the student's performance during their practical learning experience.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for more licensed cosmetologists prepared for salon management within the college's district. According to the Illinois Department of Employment Security, employment of all personal appearance workers is expected to increase by 20 percent statewide through the year 2020.

Resources: Faculty, Staff, etc.

The College currently offers a related 50 credit hour Cosmetology Certificate program which fully articulates into the proposed degree program. The College plans to utilize existing facilities and equipment. One new full-time, two existing full-time, and four existing part-time faculty will be required the first year of the program. All qualified faculty must hold at least a Certificate in Cosmetology, an active cosmetology and cosmetology instructor license in the State

of Illinois, in addition to five years related occupational experience and two years teaching experience. Costs to implement this program are estimated at \$5,000 the first year. The program will otherwise be supported by student tuition and fees.

Staff Conclusion. Kaskaskia 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 & Clark Community College
5800 Godfrey Road
Godfrey, Illinois 62035
President: Dr. Dale Chapman

Proposed Program Title in Region of Authorization: Associate in Applied Science in Medical Assistant

Projected Enrollments: The College anticipates an enrollment of five full-time and five part-time the first year, increasing to ten full-time and ten part-time by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Lewis & Clark Community College is seeking approval to offer a 63 credit hour Associate in Applied Science degree in Medical Assistant. This program prepares individuals for entry-level employment as medical assistants as well as for advancement opportunities in terms of industry credentialing and within the employment field. The curriculum consists of required 19 credit hours of general education coursework, 35 credit hours of career and technical education coursework and nine credit hours of related technical electives. The career and technical component includes instruction in medical terminology, pharmacology for medical assistants, introductory and intermediate clinical medical assisting skills, medical office procedures, medical billing and coding, health insurance and Electronic Health Records, professional development, and a required work-based learning experience in medical assisting. The program was developed according to competencies outlined by the American Medical Technologists Association for credentialing as a Registered Medical Assistant, and according to standards of the American Association of Medical Assistants for credentialing as a Certified Medical Assistant. Program accreditation is optional. However, industry credentialing for students is preferred. Assessment of student learning objectives will be achieved through evaluation of the student's performance during the work-based learning experience by program faculty and a worksite supervisor, in addition to the student's performance on a practice certification exam.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a certificate and a degree program in this field of study. As industry hiring requirements begin to shift towards credentialed candidates only in 2014, the College believes this program will provide necessary training for new students, existing students in related allied health programs, and those medical office professionals looking to cross-train into a more clinical area and to advance in the labor market. According to the Illinois Department of Employment Security, employment of medical assistants is expected to increase by 15.2 percent statewide and by 25 to 27 percent locally through 2020. The proposed program also offers educational ladder

options for students in the related Medical Assisting Certificate program and several related allied health courses and programs, as well as articulation at the baccalaureate level. The College has developed agreements with Franklin University for their Bachelor degree programs in Allied Health Care Management and Health Care Management.

Resources: Faculty, Staff, etc.

The program will require three existing full-time, two new part-time, and two existing part-time faculty the first year. Qualified faculty will hold at least a Bachelor's degree in Medical Office Technology, Medical Assisting, or a closely related field; current industry credentialing; have three to five years of related medical assisting work experience; and at least one year teaching experience. All facilities are in place to adequately support the programs. Some equipment and educational supplies will be purchased over the first three years. Costs to implement the program are estimated at \$36,000 during year one; \$52,000 during year two; and \$31,000 during year three. The program will otherwise be supported through student tuition and fees.

Staff Conclusion. Lewis & 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.

Lincoln Land Community College
5250 Shepherd Road
Springfield, Illinois 62794
President: Dr. Charlotte Warren

Proposed Program Title in Region of Authorization: Associate in Applied Science in Culinary Arts

Projected Enrollments: The College anticipates an enrollment of 15 full-time and ten part-time students the first year, increasing to 45 full-time and 30 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Lincoln Land Community College is seeking approval to offer a 60 credit hour Associate in Applied Science degree program in Culinary Arts. This program will prepare individuals for employment as chefs and culinary specialists in a variety of food service and hospitality environments. The curriculum consists of 19 credit hours of required general education coursework and 41 credit hours of required career and technical education coursework. The career and technical component of the curriculum includes instruction in culinary essentials, introductory through advanced levels of food production, garde manger, introductory bakeshop, nutrition for food service, foodservice sanitation, restaurant management, food service purchasing, business and human resource applications, and required work-based learning experience in hospitality. The curriculum was developed according to American Culinary Federation (ACF) standards for culinary arts educational programs and will prepare graduates for the ACF Certified Culinarian credential. The program will also prepare students for the required Food Service Sanitation certification through the Illinois Department of Public Health. Assessment of student learning objectives will be achieved through evaluation of a student portfolio, as well as the student's performance during the work-based learning experience by program faculty and worksite supervisory staff.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a degree program in this field of study. Statewide employment of chef and head cooks is expected to increase through 2020, according to data from the Illinois Department of Employment Security. Currently, the College offers related certificate programs in culinary arts and baking/pastry arts, both of which will articulate towards completion of the proposed degree. The degree program will provide an educational ladder opportunity for certificate graduates, as well as employment advancement potential for those working in the field.

Resources: Faculty, Staff, etc.

Nine existing part-time faculty will be utilized to implement the program. Qualified faculty hold an Associate's degree in Culinary Arts, three years of related occupational experience, and one year of teaching experience. All facilities and equipment are adequately in place to support the proposed degree. No new costs are anticipated to implement the program, which will be supported through student tuition and fees.

Staff Conclusion. Lincoln Land 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 in Region of Authorization: Associate in Applied Science in Respiratory Care

Projected Enrollments: The College anticipates an enrollment of 12 full-time students the first year, increasing to 16 full-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Lincoln Land Community College is seeking approval to offer a 65 credit hour Associate in Applied Science degree program in Respiratory Care. This program will prepare individuals for entry- and advanced-level employment as respiratory therapists. The curriculum consists of 17 credit hours of required general education coursework and 48 credit hours of required career and technical education coursework. The career and technical component includes instruction in introductory through advanced levels of respiratory care practices and procedures, cardiopulmonary anatomy and physiology, advanced diagnostic monitoring, neonatal/pediatric advanced life support and respiratory care, critical thinking skills for respiratory care, a respiratory care seminar, and required respiratory clinical practice. The curriculum was developed according to standards of the National Board of Respiratory Care (NBRC) and will prepare graduates for two levels of credentialing: level one is credentialing through the NBRC as a Certified Respiratory Therapist and is required for entry-level employment by the State of Illinois; level two is the NBRC Registered Respiratory Therapist credential, available to students who have earned the CRT credential. The program is accredited through the Commission on Accreditation for Respiratory Care. Assessment of student learning will be achieved through evaluation of the student's performance during the clinical practicum, as well as through completion of a practice certification exam.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for this formalized program of study within the local area. The training was previously offered through a local hospital. According to the Illinois Department of Employment Security, employment of respiratory therapists is expected to increase by 14.2 percent statewide through 2020.

Resources: Faculty, Staff, etc.

One new part-time faculty and two existing part-time faculty will be required to implement the program. Qualified faculty will hold at least a Bachelor's degree in Respiratory Care, two years related occupational experience, and one year teaching experience. Clinical facilities and equipment at a local hospital will be utilized. Costs to implement the program will be approximately \$110,000 during the first year to support the hiring of additional faculty. The program will otherwise be supported through student tuition and fees.

Staff Conclusion. Lincoln Land 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.

Malcolm X College
1900 West Van Buren Street
Chicago, Illinois 60612
President: Dr. Anthony Munroe

Proposed Program Title in Region of Authorization: Associate in Applied Science in Health Information Management

Projected Enrollments: The College anticipates an enrollment of five full-time and ten part-time students during the first year, increasing to 20 full-time and 30 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Malcolm X College, one of the City Colleges of Chicago, is seeking approval to offer a 61 credit hour Associate in Applied Science degree program in Health Information Management (HIM). This program will prepare individuals for employment as health information technicians in a variety of health information technology environments, such as hospitals, physicians' offices, and insurance companies. The degree curriculum consists of 16 credit hours of general education coursework and 45 credit hours of career and technical education coursework. The career and technical component includes instruction in medical terminology, introduction to health careers, microcomputers and databases, introductory health information technology, medical billing, basic and advanced ICD9/ICD10 coding, basic and advanced CPT-4 coding, medical law and ethics, pharmacology, clinical pathophysiology, health care statistics, reimbursement methodologies, a seminar in health information technology focused on practical applications of study, and an HIM Clinical practicum.

The degree was developed according to American Academy of Professional Coders (AAPC) standards. Completers of the proposed degree will be eligible for AAPC credentialing as a Certified Professional Biller (CPB), Certified Professional Coder (CPC), CPC-Hospital Outpatient Coder (CPC-H), CPC-Payer (CPC-P), and the Registered Health Information Technician (RHIT) certification exam offered through the American Health Information Management Association (AHIMA). Program accreditation is available through the Commission on Accreditation of Health Informatics and Information Management. Assessment of student learning will be achieved through evaluation of the student's performance on a comprehensive exam, a practice credentialing exam, and through a portfolio review. Once the program is accredited, graduates will be able to sit for the related AHIMA credentialing exams. Accreditation is retro-active once one class of students has completed and the college completes its application/site visit.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a program related to health information technology. Nationally and locally, an above average demand for medical records and health information technicians is expected through 2020, according to the U.S. Department of Labor-Bureau of Labor Statistics and the Illinois Department of Employment Security.

Resources: Faculty, Staff, etc.

The program will require one new full-time and two new part-time faculty the first year. Qualified faculty will possess a Master's degree in HIM, RHIT certification, five years of related occupational experience, and one to two years teaching experience. All facilities and equipment are currently in place to adequately support the programs. Some instructional supplies will be purchased during the first year. Costs to implement the program are estimated at \$60,500 the first year; \$62,500 the second year; and \$63,000 the third year. The program will be supported through student tuition and fees.

Staff Conclusion. Malcolm X 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.

McHenry County College
8900 U.S. Highway 14
Crystal Lake, Illinois 60012
President: Dr. Vicky Smith

Proposed Program Title in Region of Authorization: Associate in Applied Science in Engineering Technology

Projected Enrollments: The College anticipates an enrollment of ten full-time and eight part-time students the first year, increasing to 16 full-time and 12 part-time by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

McHenry County College is seeking approval to offer a 63 credit hour Associate in Applied Science degree program in Engineering Technology. This program will prepare individuals for entry-level employment as engineering technicians, specialized in the fields of mechanical or industrial engineering technology. The curriculum consists of 18 credit hours of required general education coursework and 45 credit hours of required career and technical education coursework. The career and technical component consists of a core including introductory manufacturing technology, introductory machining and CNC, introductory robotics, advanced CNC, manufacturing processes, materials of industry, blueprint reading for manufacturing, CAD graphics, engineering graphics, parametric modeling/SolidWorks, metrology for quality, and a capstone project or manufacturing internship. The mechanical emphasis requires additional coursework in applied statistics, mechanics of materials, dynamics, and advanced parametric modeling. The industrial emphasis requires additional coursework in facilities planning and design, production and material control, and continuous quality improvement practices. Assessment of student learning objectives will be achieved through evaluation of the student's capstone portfolio project or their performance during the work-based learning experience.

Labor Market Information

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. The College currently offers related certificate programs in Architectural Engineering Design Technology, Advanced Manufacturing, and CNC Machining. The College worked with local industry partners to develop the proposed degree program as an educational ladder for existing certificate students and recent graduates, as well as for their workforce looking for potential advancement opportunity education/training in their specialized field. Furthermore, the program will articulate towards Southern Illinois University-Carbondale's Bachelor of Science in Industrial Technology, offering A.A.S. degree graduates an opportunity to achieve the baccalaureate degree. The College also utilized information from the Accreditation Board for Engineering and Technology (ABET) to develop pathways between existing certificates and the proposed degree. The College plans to seek voluntary ABET accreditation for this program in the future.

Resources: Faculty, Staff, etc.

The program will require two existing full-time and two new part-time faculty the first year. Qualified faculty must hold at least a Bachelor's degree in Industrial Management or Engineering Technology, a minimum of two years related occupational experience, and one year teaching experience. Facilities are adequate to support the program; however, some new equipment and software will be purchased over the first three years. Costs to implement the program are estimated at \$110,000 the first year; \$95,000 the second year; and \$70,000 the third year. The program will be supported through student tuition and fees.

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

Proposed Program Title in Region of Authorization: Associate in Applied Science in Web Design and Development

Projected Enrollments: The College anticipates an enrollment of 25 full-time and 25 part-time students the first year, increasing to 50 full-time and 50 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

McHenry County College is seeking approval to offer a 69 credit hour Associate in Applied Science degree in Web Design and Development. The degree will prepare individuals for entry-level employment as web site designers in a variety of organizational settings. The degree curriculum consists of 15 credit hours of required general education coursework, 48 credit hours of required career and technical education coursework, and six credit hours in related technical electives. The career and technical component includes instruction in web fundamentals, digital legalities, applied logic, introductory programming, web scripting, JavaScript, SQL/Database concepts, Adobe Design Suite, digital 2D design, color theory, website development, digital project management, content management systems, and an additional specialty programming course in web programming. Assessment of student learning objectives will be achieved through evaluation of a student portfolio.

Labor Market Information

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. The College was recently approved to offer a related Web Marketing Certificate program and several shorter term certificates in web-related areas. The proposed degree will provide an educational ladder for certificate program graduates.

Resources: Faculty, Staff, etc.

Two existing full-time, four existing part-time, and two new part-time faculty will be necessary the first year to support the program. Qualified faculty will hold at least a Bachelor's degree in Computer Information Systems, Visual Communications or a related Web field, and one year related occupational experience. Costs to implement the program are estimated at \$40,800 the first year; \$73,000 the second year; and \$35,800 the third year. Costs reflect some updating to facilities/computer labs, equipment purchases, and faculty costs. The program will be supported through student tuition and fees.

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

Moraine Valley Community College
9000 West College Parkway
Palos Hills, Illinois 60465
President: Dr. Sylvia Jenkins

Proposed Program Title in Region of Authorization: Associate in Applied Science in Emergency Medical Services

Projected Enrollments: Enrollment in the Emergency Medical Services (EMS) program has remained steady since the program's implementation in 2010. The program has met

and/or exceeded its original benchmark goals for enrollments and completions. Since the first class of program graduates in 2010, 100 percent of graduates successfully completed the Illinois Department of Public Health's (IDPH) EMT-Paramedic licensing exam.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Moraine Valley Community College is seeking permanent approval to offer a 62 credit hour Associate in Applied Science degree program in Emergency Medical Services. This program was approved in January 2010 and has been in operation for nearly three years. The program prepares students for entry-level employment as EMT-Paramedics. The program was developed according to the U.S. Department of Transportation's Highway Traffic Safety Administration's National Standard Curriculum for EMTs and will prepare graduates for the required Paramedic licensure through the IDPH. The curriculum consists of 19 credit hours of required general education coursework, 38 credit hours of required career and technical education coursework, and five credit hours of related technical electives. The career and technical component includes courses in medical terminology, basic emergency medical technology, emergency medical technology-trauma, paramedicine, emergency medical technology-specialized care, ethics, and a required practical learning experience in pre-hospital emergency care. The College has a long standing partnership with Advocate Christ Medical Center's EMS Academy, where practical learning experiences take place. Assessment of student learning is achieved through evaluation of the student's performance during their work-based learning experience by program faculty, as well as through a practice certification exam.

Minor changes in the curricula have occurred to prepare for optional national accreditation through the Committee on Accreditation of Allied Health Educational Programs (CAAHEP)-Committee on Accreditation of EMS Professions (CoAEMSP) accreditation. The College cites strengths of the program as highly qualified faculty, its partnership with Advocate Christ Medical Center, and local support. The College also identified future goals for the program including acquiring CoAEMSP accreditation and pursuing articulation at the baccalaureate level.

Labor Market Information

Labor market information provided by the College continues to support the interest in and the need for a paramedic-level training program within the College's district. Over the past several years the College has offered the EMT-Basic program that adequately met the needs of local employers. Recent changes to licensure requirements for any EMT personnel working in pre-hospital emergency care have resulted in the college and local employers partnering to develop these programs to serve their local needs. According to the Illinois Department of Employment Security, employment of Emergency Medical Technicians and Paramedics is projected to increase by 26.7 percent through 2020 statewide.

Resources: Faculty, Staff, etc.

Equipment and facilities are in place to adequately support the program. No new faculty will be required to maintain the program over the next three years. Qualified faculty possess at least a Bachelor's degree in Emergency Medical Services, Nursing or achieved their M.D., and maintain a current EMT-P license in Illinois. The program is supported fiscally through student tuition and fees.

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.

Proposed Program Title in Region of Authorization: Associate in Applied Science in Fire Service Operations

Projected Enrollments: The College anticipates an enrollment of 15 full- and part-time students each year over the next three years. The program has met and/or exceeded its original benchmark goals for enrollments and completions.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Moraine Valley Community College is seeking permanent approval to offer a 61 credit hour Associate in Applied Science degree program in Fire Service Operations. This program was approved in November 2009 and has been in operation for a period of three years. The program prepares students for entry-level employment as firefighters. The curriculum was developed according to Fire Fighter-Basic certification requirements of the Office of the State Fire Marshall (OSFM) and will prepare graduates for this credentialing. The curriculum consists of 19 credit hours of required general education coursework, 33 credit hours of required career and technical education coursework, and nine credit hours of related technical electives. The career and technical component includes instruction in emergency medical technology-basic (EMT-B) level training, techniques of fire fighting, fire prevention, fire tactics and strategies, fire apparatus and equipment, hazardous materials operations, fire department special services, as well as a fire service seminar and work-based learning experience. The program also prepares individuals for completion of the EMT-Basic licensure exam through the Illinois Department of Public Health. Assessment of student learning is accomplished through evaluation of the student's performance during their work-based learning experience by program faculty, as well as through a practice certification exam.

In Fiscal Year 2012 and 2013, 100 percent of program graduates successfully completed the OSFM-Fire Fighter Basic exam. The college continues to maintain 100 percent student retention after the first semester of coursework, and job placement rates after year two have been at 95 percent of program graduates. Minor changes in the curricula have occurred to maintain alignment with the OSFM's program accreditation.

Labor Market Information

Labor market information provided by the College continues to support the interest in and the need for formalized training in this field of study. According to the Illinois Department of Employment Security, growth in the employment of fire fighters is expected to increase by 7.8 percent statewide through 2020. The need for new hires due to new positions being created is about the average for all new occupational growth in Illinois through 2020. Additionally, the need to replace workers retiring from the workforce substantiates the importance of continued training at all levels of fire service.

Resources: Faculty, Staff, etc.

Equipment and facilities are in place to adequately support the program. No new faculty will be required to maintain the program over the next three years. Qualified faculty will possess

at least a bachelor's degree and Fire Instructor Certification. The program is supported fiscally through student tuition and fees.

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.

Proposed Program Title in Region of Authorization: Associate in Applied Science in Sleep Technology

Projected Enrollments: The College anticipates an enrollment of ten full- and part-time students the first year, increasing to 15 students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Moraine Valley Community College is seeking approval to offer a 62 credit hour Sleep Technology Associate in Applied Science degree program. This program will prepare individuals for entry-level employment as sleep technologists, also known as polysomnographers. Sleep technologists work as part of a health care team under the general supervision of a licensed physician assisting in the education, evaluation, treatment, and follow-up of sleep disorder patients. The College currently offers a related certificate program. The proposed degree will offer students and graduates of the certificate program an educational ladder opportunity. Currently there are no other degree programs, and only one other certificate program in this field, being offered through an Illinois community college. The curriculum exceeds standards and guidelines of the Commission on Accreditation of Allied Health Education Programs-Committee on Accreditation for Polysomnographic Technologist Education for accreditation of educational programs in this field of study.

The curriculum consists of 19 credit hours of required general education coursework and 43 credit hours of required career and technical education coursework. The career and technical component of the curriculum includes instruction in medical terminology, polysomnography patient care, cardiopulmonary physiology, sleep study scoring, pediatric sleep, sleep disorders, sleep center management, clinical sleep education and required clinical practice in the College's sleep study clinic. Graduates of the proposed program will be eligible for the national board exam administered by the Board of Registered Polysomnographic Technologists, leading to the credential of Registered Polysomnographic Technologist (RPSGT). This credential is optional but often preferred among employers. Assessment of student learning objectives will be achieved through evaluation of the student's performance during the clinical practical experience and through mock credentialing exams.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a two-year degree program in this area. Local employers, and members of the College's certificate program advisory committee, support the development of a two year degree program for existing certificate students and graduates. Employers within the College's district prefer hiring students with a degree and national credentialing. A search of local job postings identified 21 openings for sleep technologists.

Resources: Faculty, Staff, etc.

All facilities and equipment are in place for the existing program and will support the proposed degree. One existing full-time and three existing part-time faculty will be necessary the first year. One new part-time faculty will be added the second year to support increases in enrollment. Qualified faculty will hold an Associate's Degree in Polysomnography, Respiratory Therapy or a related field, be RPSGT credentialed, have two years of clinical experience as a sleep technologist, and one year of teaching experience. No new costs are anticipated to implement the program. Costs associated with the addition of part-time faculty (\$19,900 per year during years two and three) have been budgeted for the program.

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.

Olive-Harvey College
10001 South Woodlawn Avenue
Chicago, Illinois 60628
President: Dr. Craig Follins

Proposed Program Title in Region of Authorization: Associate in Applied Science in Transportation, Distribution and Logistics

Projected Enrollments: The College anticipates an enrollment of ten full-time and ten part-time students the first year, increasing to 20 full-time and 20 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Olive-Harvey College, one of the City Colleges of Chicago, is seeking approval to offer a 61 credit hour Associate in Applied Science degree program in Transportation, Distribution and Logistics (TDL). This program will prepare individuals for entry-level employment in TDL occupations, such as material handlers and movers, forklift operators, light commercial truck drivers, and cargo/freight agents, as well as for advancement opportunities within the field. The degree curriculum includes 19 credit hours of required general education coursework and 42 credit hours of career and technical education coursework. The career and technical component in both curricula includes instruction in introductory business logistics, purchasing, introductory transportation administration, warehouse operations, and a work-based learning experience in applied logistics.

Students in the program will have the opportunity to work in the City College's District Central Store, where they will work under the direct supervision of TDL manager learning logistics operation skills such as shipping, receiving, inventory, and case analysis. The curriculum includes content to prepare students for their Commercial Driver's License and Forklift Operator's Certification through the Illinois' Secretary of State's Office. Assessment of student learning objectives will be achieved through evaluation of the student's performance during their work-based learning experience by program faculty and the work-site supervisor. The College was also recently approved to offer a related short-term Basic TDL and an advanced TDL certificate program. The proposed degree will provide an educational ladder opportunity for those students.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a formalized training program in this field of study. According to the Illinois Department of Employment Security, employment of all material moving workers is expected to increase by 8.1 percent statewide through 2020, but employment of cargo and freight agents is expected to increase by 20.7 percent over the same time frame.

Resources: Faculty, Staff, etc.

The program will require one existing full-time and one new part-time faculty the first year. Qualified faculty will hold a Bachelor's degree in TDL or a related field, have at least one year related occupational experience, and two years teaching experience. Costs to implement the program, which includes both certificate programs, will be approximately \$177,650 year one; \$106,000 year two; and \$212,000 year three. First year costs reflect the purchase of equipment, and the third year costs reflect the addition of faculty. The program will be supported fiscally through student tuition and fees.

Staff Conclusion. Olive-Harvey 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.

Southeastern Illinois College
3575 College Road
Harrisburg, Illinois 62946
President: Dr. Jonah Rice

Proposed Program Title in Region of Authorization: Associate in Applied Science in Biofuels Production and Sustainability

Projected Enrollments: The College anticipates an enrollment of two full-time and four part-time students the first year, increasing to six full-time and 12 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Southeastern Illinois College is seeking approval to offer a 62 credit hour Biofuels Production and Sustainability Associate in Applied Science degree program. This program will prepare individuals for entry-level employment and advancement opportunities within the field of biofuels production. The curriculum consists of 17 credit hours of required general education, 30 credit hours of required career and technical education coursework, and 15 credit hours of related technical electives. The career and technical component of the curriculum includes instruction in introductory biofuels; plant maintenance; agricultural wastes to biofuels; biodiesel production; Ethanol production; biofuels systems technology; algae feedstocks; scientific literature for biotechnology; and electives from the focused areas of safety, diesel technology, welding technology and management. An internship in biofuels technology is also an optional elective. Assessment of student learning objectives will be achieved through evaluation of a student portfolio by program faculty.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for more green educational and training programs in this field of study. The college developed the proposed program through collaboration with the Illinois Green Economy Network (IGEN), a U.S. Department of Labor Trade Adjustment Assistant Community College and Career Training (TAACCCT) grant funded initiative charged with the promotion and development of training programs that meet the needs of industry in new and emerging green technology and provide green career pathways for students. Curricula developed in response to IGEN needs are expected to provide options for students to transfer as well as train students with strong technical skills that will support a green economy. The College has identified the potential for local growth opportunities in this field. Furthermore, the proposed degree program provides an educational ladder opportunity for students/graduates of related certificates offered by IGEN partner institutions.

Resources: Faculty, Staff, etc.

The program will require one existing full-time faculty person the first year. Qualified faculty will hold a Bachelor of Science degree in Industrial Technology, Alternative Energy Technology, or a related field; have three years related occupational experience; and two years of teaching experience. Costs to implement the program are being covered by TAACCCT grant funds and total \$64,650 the first year; \$66,950 the second year; and \$71,050 the third year. The program will be fiscally supported by student tuition and fees in the future.

Staff Conclusion. Southeastern Illinois 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, Illinois 60171
President: Ms. Patricia Granados

Proposed Program Title in Region of Authorization: Associate in Applied Science in Sustainable Agriculture Technology

Projected Enrollments: The College anticipates an enrollment of eight full-time and 12 part-time students the first year, increasing to 15 full-time and 20 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Triton College is seeking approval to offer a 64 credit hour Associate in Applied Science degree in Sustainable Agriculture Technology. This program will prepare individuals for entry-level employment as agriculture technicians in agriculture science, agriculture food production and processing, and agriculture distribution settings. Graduates will also acquire the skills necessary for establishing and maintaining their own small scale plant and crop farms. The curriculum consists of 15 credit hours of required general education coursework and 49 credit hours of required career and technical education coursework. The career and technical component includes instruction in environmental biology, plants and society, plant

propagation/greenhouse operations, plant pathology, soils and fertilizers, agroecology, vegetable and herb gardening, urban agricultural issues, natural resource management, sustainable organic plants, sustainable plant health care, sustainable plant production for human consumption, designing food production in urban landscaping, managing food production systems in urban landscaping, and a required work-based learning experience. Assessment of student learning objectives will be achieved through evaluation of the student's comprehensive project during their final semester and of their performance during the work-based learning component by workplace mentor.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for more green educational and training programs in this field of study. The college developed the proposed program through collaboration with the Illinois Green Economy Network (IGEN), a grant-funded initiative charged with the promotion and development of training programs that meet the needs of industry in new and emerging green technology and provide green career pathways for students. Curricula developed in response to IGEN needs are expected to provide options for students to transfer as well as train students with strong technical skills that will support a green economy. The College has identified the potential for local growth opportunities in this field. The College was also recently approved to offer a related 13 credit hour Sustainable Food Production Certificate program. The proposed degree serves not only as an educational ladder opportunity for certificate students/graduates, but also as a means for articulating into a related baccalaureate degree program. The College has established articulation agreements for Bachelor of Science completion programs at several universities including Western Illinois University's Agriculture Science program. According to the Illinois Department of Employment Security, employment of agriculture and food production technicians is expected to increase by nearly two percent statewide through 2020.

Resources: Faculty, Staff, etc.

The program will require ten existing part-time and two new part-time faculty to implement. Qualified faculty will hold a Bachelor of Science in an Agriculture or Horticulture field, three to five years of related occupational experience in sustainable agriculture, and at least two years teaching experience. The program will require equipment, lab and classroom supply purchases over the first three years. Facilities are otherwise in place to adequately support the program. Costs to implement the program will be approximately \$73,350 the first year; \$66,685 the second year; and \$68,060 the third year. Student tuition and fees will otherwise support the program.

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 in Region of Authorization: Associate in Applied Science in Sustainable Landscape Practices

Projected Enrollments: The College anticipates an enrollment of eight full-time and 12 part-time students the first year, increasing to 20 full-time and 22 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Triton College is seeking approval to offer a 71 credit hour Associate in Applied Science degree in Sustainable Landscape Practices. This program will prepare individuals for entry-level employment as landscapers, landscape designers, and horticulture technicians with knowledge and skills focused in sustainable methods for soil and water conservation, plant selection, use of fertilizers and pesticides, use and production of organic materials, reduced use of fossil fuels, and designing and maintaining infrastructure enhancements such as green roofs and xeriscaping (reduction in supplemental water irrigation). The curriculum consists of 16 credit hours of required general education coursework and 55 credit hours of required career and technical education coursework. The career and technical component includes instruction in environmental biology, introductory biotechnology, field ecology, plant propagation/greenhouse operations, soils and fertilizers, sustainable landscape practices, innovations in sustainability, agroecology, urban agricultural issues, natural resource management, sustainable organic plants, sustainable plant health care, design and construction of sustainable landscaping and a required work-based learning experience. Assessment of student learning objectives will be achieved through evaluation of the student's comprehensive project during the final semester and of their performance during the work-based learning component by workplace mentor.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for more green educational and training programs in this field of study. The College developed the proposed program through collaboration with the Illinois Green Economy Network (IGEN), a grant funded initiative charged with the promotion and development of training programs that meet the needs of industry in new and emerging green technology and provide green career pathways for students. Curricula developed in response to IGEN needs are expected to provide options for students to transfer as well as train students with strong technical skills that will support a green economy. The College has identified the need for better skilled technicians among its local employers in this industry. The College was also recently approved to offer a related 16 credit hour Sustainable Agroecology Certificate program. The proposed degree serves not only as an educational ladder opportunity for certificate students/graduates, but also as a means for articulating into a related baccalaureate degree program. The College has established articulation agreements for Bachelor of Science completion programs at several universities, including Northern Illinois University's Biodiversity and Environmental Restoration program, and Loyola University's Environmental Studies program. According to the Illinois Department of Employment Security, employment of landscaping and grounds keeping workers is expected to increase by 25.9 percent and employment of landscape architects by 13.8 percent statewide through 2020.

Resources: Faculty, Staff, etc.

The program will require ten existing part-time faculty to implement. Qualified faculty hold a Bachelor of Science in an Agriculture or Horticulture field, three to five years of related occupational experience in sustainable landscaping, and at least two years teaching experience. The program will require equipment, lab and classroom supply purchases over the first three years. Facilities are otherwise in place to adequately support the program. Costs to implement the program will be approximately \$26,500 per year during the first three years. Student tuition and fees will otherwise support the program.

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.

The staff recommends adoption of the following resolutions:

The Illinois Board of Higher Education hereby grants authority to Carl Sandburg College to offer the Associate in Applied Science in Cosmetology, the Associate in Applied Science in Emergency Medical Services-Paramedic and the Associate in Applied Science in Health Information Management subject to the institution's implementation and maintenance of the conditions that were presented in its applications and that form the basis upon which these authorizations are granted.

The Illinois Board of Higher Education hereby grants authority to College of DuPage to offer the Associate in Applied Science in Culinology and Food Science 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 Harper College to offer the Associate in Applied Science in Advanced Manufacturing Technology 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 applications and that form the basis upon which these authorizations are granted.

The Illinois Board of Higher Education hereby grants authority to Heartland Community College to offer the Associate in Applied Science in Sustainable Energy Systems 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 John A. Logan Community College to offer the Associate in Applied Science in Sustainable Energy 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 Kaskaskia College to offer the Associate in Applied Science in Cosmetology 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 & Clark Community 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 Lincoln Land Community College to offer the Associate in Applied Science in Culinary Arts and the Associate in Applied Science in Respiratory Care subject to the institution's implementation and maintenance of the conditions that were presented in its applications and that form the basis upon which these authorizations are granted.

The Illinois Board of Higher Education hereby grants authority to Malcolm X College to offer the Associate in Applied Science in Health Information 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 McHenry County College to offer the Associate in Applied Science in Engineering Technology and the Associate in Applied Science in Web Design and Development subject to the institution's implementation and maintenance of the conditions that were presented in its applications and that form the basis upon which these authorizations are granted.

The Illinois Board of Higher Education hereby grants authority to Moraine Valley Community College to offer the Associate in Applied Science in Emergency Medical Services, the Associate in Applied Science in Fire Service Operations and the Associate in Applied Science in Sleep Technology subject to the institution's implementation and maintenance of the conditions that were presented in its applications and that form the basis upon which these authorizations are granted.

The Illinois Board of Higher Education hereby grants authority to Olive-Harvey College to offer the Associate in Applied Science in Transportation, Distribution and Logistics 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 Southeastern Illinois College to offer the Associate in Applied Science in Biofuels Production and Sustainability 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 Sustainable Agriculture Technology and the Associate in Applied Science in Sustainable Landscape Practices subject to the institution's implementation and maintenance of the conditions that were presented in its applications and that form the basis upon which these authorizations are granted.

