

**APPROVED
APRIL 2, 2013**

Item #III-7
April 2, 2013

NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES

Submitted for: Action.

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

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

Carl Sandburg College

- Associate in Applied Science in Biofuels Manufacturing Technology

Olney Central College

- Associate in Applied Science in Information Systems Technology

South Suburban College

- Associate in Applied Science in Speech Language Pathology Assistant

STATE OF ILLINOIS
BOARD OF HIGHER EDUCATION

NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES

By statute, the Illinois Board of Higher Education 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 L. Sundberg

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

Projected Enrollments: Carl Sandburg College anticipates an enrollment of 12 full-time students per 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 61 credit hour Associate in Applied Science in Biofuels Manufacturing Technology degree program. This program will prepare individuals for entry-level employment as technicians in renewable energy (biofuels production and wet/dry ethanol production), waste water control, and/or chemical processing fields. The curriculum includes 23 credit hours of required general education coursework, including chemistry, biology, and environmental science content, all of which is transferable at the baccalaureate level to provide students maximum mobility in further pursuit of higher education. The curriculum also consists of 38 credit hours of required career and technical coursework in biofuels fundamentals, ethanol production, biodiesel production, electronics fundamentals, industrial electrical control, hydraulics and pneumatics, electro-hydraulic process control, water control and treatment, process control and instrumentation, total quality management, and industrial safety, and a required work-based learning experience in biofuels manufacturing. Assessment of student learning will be achieved through evaluation of the student's performance on a cumulative lab demonstration and during their work-based learning experience.

Labor Market Information

Labor market information provided by the College supports the interest in and need for

an associate's level training program 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. Currently, there are eight biofuels production plants within 50 miles of Carl Sandburg College, 56 production plants within Illinois, 149 ethanol production plants, and 42 biodiesel processing plants in the Midwest. Employment outlook for technicians in this field is good, as demand within the College's district (11 percent) is higher than the average for all occupations statewide (8.6 percent) through 2020, according to the Illinois Department of Employment Security.

Resources: Faculty, Staff, etc.

The program will require one new full-time faculty person to implement. Qualified faculty will hold a Bachelor's of Science in an Agriculture field and five years of related occupational experience in biofuels production. The program will require initial equipment and lab and classroom supply purchases during the first year. Facilities are otherwise in place to adequately support the program. Costs to implement the program will be approximately \$369,232 the first year, \$112,759 the second year, and \$115,962 the third year. Student tuition and fees will support the program.

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 accreditation for licensure.

Olney Central College
305 North West Street
Olney, Illinois 62450
President: Mr. Rodney Raney

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

Projected Enrollments: Olney Central College anticipates an enrollment of ten full-time and five 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

Olney Central College is seeking approval to offer a 66 credit hour Associate in Applied Science degree program in Information Systems Technology. The program will prepare individuals for entry-level employment in information technology working in a variety of applications including computer software, networking, database administration, computer hardware, and email administration. The program consists of 15 credit hours of required general education coursework and 51 credit hours of career and technical education coursework. Coursework will be available in classroom, online, and hybrid settings. The proposed degree will provide an educational ladder opportunity for students, as well as articulate into Southern Illinois

University Carbondale's Information Technology Bachelor of Science degree program for students interested in pursuing baccalaureate education. The career and technical component includes instruction in information technology fundamentals, computer maintenance and repair, business database systems, business applications computing, web and mobile application development, Java programming web and mobile, operation systems, network operating systems, LANs, WANs, and wireless networks, network security, CompTIA A+ and Net+, Microsoft Certified Systems Associate (MCSA) Windows and Windows Server, and a required IT work-based learning experience. The program was developed to include standards that will prepare graduates for industry certifications in the following areas: CompTIA A+, CompTIA Network+, CompTIA Security+, Microsoft Certified Desk Top Technician, Microsoft Certified Applications Specialist, MCSA Windows 8, and MCSA Windows Server 2012. Assessment of student learning will be achieved through evaluation of individual performance on credentialing practice tests, as well as through observation during the work-based learning component.

Labor Market Information

Labor market information provided by the College supports the interest in and need for an associate-level degree program in this field of study. According to the Illinois Department of Employment Security, employment in related IT occupations is expected to increase between 13.5 percent for Computer Support Specialists and 19.7 percent for Network Systems and Data Analysts.

Resources: Faculty, Staff, etc.

All facilities are currently in place to adequately support the program. The College will require two new part-time faculty and two existing part-time faculty to implement the program. Qualified faculty will possess a Bachelor's degree in Information Technology, with two years related occupational experience and at least two years of teaching experience. Costs to implement the program are estimated at \$43,824 the first year and \$48,986 the second and third years. Higher second and third year costs include the addition of faculty to meet the needs of increased enrollment. Costs also include the purchase of new computer hardware and software, as well as educational resource materials to support the proposed program. The program will be supported fiscally through student tuition and fees.

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

South Suburban College
15800 State Street
South Holland, Illinois 60473
President: Mr. Don Manning

Proposed Program Title in Region of Authorization: Associate in Applied Science in Speech Language Pathology Assistant

Projected Enrollments: South Suburban College anticipates an enrollment of 20 full-time students the first year, increasing to 40 full-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

South Suburban College is seeking approval to offer a 68 credit hour Associate in Applied Science in Speech Language Pathology Assistant (SLPA) degree program. This program will prepare individuals for employment as assistants to licensed speech language pathologists in a variety of clinical and educational settings, including K-12. The program was developed according to American Speech-Language Hearing Association guidelines and will prepare graduates for the required SLPA licensure in the State of Illinois and the required Illinois State Board of Education certification to work in K-12 settings. The curriculum consists of 24 credit hours of required general education coursework and 44 credit hours of required career and technical education coursework. The career and technical component includes instruction in introductory SLPA, medical terminology, anatomy and physiology for SLPAs, language development in children, communication disorders in children and adults, voice and diction, introductory phonetics, SLPA screening and intervention, public health issues, case study and management, and clinical observation, and a required clinical field experience. Assessment of student learning will be achieved through evaluation of the student's performance during the clinical laboratory experience.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for an associate's degree training program in this field of study. Locally, district elementary and secondary schools have been looking to fill the need for classroom speech language assistance. The proposed training program would fulfill that need.

Resources: Faculty, Staff, etc.

All facilities are currently in place to adequately support the program. The College will require two new part-time faculty to implement the program. Qualified faculty will hold a Master's degree in Speech Language Pathology, hold a valid Speech Language Pathology license in the State of Illinois, have three to five years of related occupational experience, and preferably possess at least one year of teaching experience. Costs to implement the program will be approximately \$1,300 the first year, with no new costs anticipated during the second and third years of operation. Costs include the purchase of new equipment and supportive classroom materials. The program will be supported fiscally through student tuition and fees.

Staff Conclusion. South Suburban 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 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 Biofuels Manufacturing 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 Olney Central College to offer the Associate in Applied Science in Information Systems 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 South Suburban College to offer the Associate in Applied Science in Speech Language Pathology 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.

