

APPROVED
OCTOBER 6, 2015

Item #V-8
October 6, 2015

NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES

Submitted for: Action.

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

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

College of DuPage

- Associate in Applied Science in Interactive Media

Highland Community College

- Associate in Applied Science in Criminal Justice

Triton College

- Associate in Applied Science in Cybersecurity and Information Assurance

Waubonsee Community College

- Associate in Applied Science in Automotive Transportation Service Technology
- Associate in Applied Science in Construction Technology Professional

STATE OF ILLINOIS
BOARD OF HIGHER EDUCATION

NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES

By statute, the Illinois Board of Higher Education (IBHE) is responsible for approving new associate degree programs proposed by public community colleges. The Board's approval criteria, defined in administrative rules, address relevance to college mission, academic control, faculty and staff, support services, financial resources, student demand, employer demand, curriculum, and congruence with IBHE policies and priorities. Before a recommendation for approval of an associate degree program is submitted to the IBHE for approval, staff of the IBHE and the Illinois Community College Board review the proposal. Once agreement is reached on a proposal having met the approval criteria, a recommendation for approval is presented to each board.

Executive Summary

College of DuPage

- Associate in Applied Science in Interactive Media

College of DuPage is seeking approval to offer a 64 credit hour Associate in Applied Science in Interactive Media. This program will prepare individuals for entry-level employment in positions that require cross-disciplinary skills between programming for web and application design and development, and graphic design. The curriculum consists of 19-22 credit hours of required general education coursework, 39 credit hours of required career and technical education coursework, and six credit hours of related technical electives. There are policies in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. The College has sufficient library, technology, staff, and financial resources in place to support the proposed program.

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

Highland Community College

- Associate in Applied Science in Criminal Justice

Highland Community College is seeking approval to offer a 61 credit hour Associate in Applied Science in Criminal Justice. This program will prepare individuals for entry-level employment or advancement opportunities in the field of criminal justice, including local, state and federal law enforcement agencies, correction institutions, and probation/parole agencies. The curriculum was developed in collaboration with local law enforcement representatives and includes a significant amount of transferrable coursework. This curricular design not only

provides employment training, but also allows for transfer opportunities if students decide to continue their education in this field at the baccalaureate level. The curriculum includes 21 credit hours of required general education coursework, 32 credit hours of required career and technical education coursework, and eight credit hours of related technical electives. There are policies in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. The College has sufficient library, technology, staff, and financial resources in place to support the proposed program.

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

Triton College

- Associate in Applied Science in Cybersecurity and Information Assurance

Triton College is seeking approval to offer a 64 credit hour Associate in Applied Science in Cybersecurity and Information Assurance. This program will prepare individuals for entry-level employment, as well as for advancement opportunities, in the field of network and data security. The curriculum consists of 15 credit hours of required general education coursework, 28 credit hours of required career and technical education coursework, and 21 credit hours of related technical electives in the areas of network security, data assurance, and computer forensics. There are policies in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. The College has sufficient library, technology, staff, and financial resources in place to support the proposed program.

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

Waubonsee Community College

- Associate in Applied Science in Automotive Transportation Service Technology

Waubonsee Community College is seeking approval to offer a 60 credit hour Associate in Applied Science in Automotive Transportation Service Technology. This program will prepare individuals for entry-level employment, as well as advancement opportunities, in the field of automotive technology. Graduates of the program will be eligible for several industry credentials. The program was developed according to accreditation standards of the National Automotive Technician Education Foundation (NATEF) and will prepare graduates for 20 various Automotive Service Excellence (ASE) certifications. The curriculum includes 15 credit hours of general education coursework, 39 credit hours of required career and technical education coursework, and six credit hours of related technical electives. There are policies in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. The College has sufficient library, technology, staff, and financial resources in place to support the proposed program.

- Associate in Applied Science in Construction Technology Professional

Waubonsee Community College is seeking approval to offer a 60 credit hour Associate in Applied Science in Construction Technology Professional. This program will prepare individuals for employment with the Chicago Regional Council of Carpenters (CRCC) as journey-level

carpenters and was developed to encourage educational credential attainment by local CRCC apprentices. The curriculum was developed according to the U.S. Department of Labor-Bureau of Apprenticeship and Training's standards for carpentry apprenticeship programs. Completion of the general education coursework in addition to the apprenticeship training will offer students the opportunity to graduate with an associate's degree. The curriculum consists of 15 credit hours of required general education coursework and 45 credit hours of required career and technical education coursework. There are policies in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. The College has sufficient library, technology, staff, and financial resources in place to support the proposed program.

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

The staff recommends adoption of the following resolutions:

The Illinois Board of Higher Education hereby grants authority to College of DuPage to offer the Associate in Applied Science in Interactive Media 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 Highland Community College to offer the Associate in Applied Science in Criminal Justice 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 Cybersecurity and Information Assurance 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 Waubonsee Community College to offer the Associate in Applied Science in Automotive Transportation Service Technology and the Associate in Applied Science in Construction Technology Professional subject to the institution's implementation and maintenance of the conditions that were presented in its application and that form the basis upon which this authorization is granted.

College of DuPage
425 Fawell Boulevard
Glen Ellyn, IL 60137
Acting Interim President: Dr. Joseph E. Collins

Proposed Program Title: Associate in Applied Science in Interactive Media

Projected Enrollments: The College anticipates enrollment of eight full-time and ten part-time students the first year increasing to 18 full-time and 20 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

College of DuPage is seeking approval to offer a 64 credit hour Associate in Applied Science (AAS) in Interactive Media. This program will prepare individuals for entry-level employment in positions that require cross-disciplinary skills between programming for web and application design and development, and graphic design. The curriculum consists of 19-22 credit hours of required general education coursework, 39 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 digital graphic applications, introductory through advanced levels of graphic design, drawing for design, typography, user experience design, introductory and intermediate levels of web/interactive design, HTML and Advanced HTML, CSS and JavaScript, and programming logic and technique. Assessment of student learning will be achieved through the evaluation of a portfolio containing artifacts of educational progress and accomplishments.

Labor Market Information

Labor market information provided by the College supports the interest in, and the need for, a degree program in this area. According to the Illinois Department of Employment Security (IDES), employment of “web developers” is expected to increase by 20.3 percent, employment of “multi-media artists and animators” by 8.6 percent, and employment of graphic designers by 6 percent statewide through the year 2022.

Resources: Faculty, Staff, etc.

The College currently offers several related certificate programs. The proposed degree will provide an educational ladder opportunity for students and recent graduates of those programs. The College plans to seek articulation opportunities with baccalaureate institutions including Columbia College, DePaul University and the Illinois Institute of Art – Schaumburg once all required state approvals have been granted. No new faculty will be required to implement the proposed program. Qualified existing faculty must hold at least a Bachelor’s degree in Graphic Design, Media Arts, or a closely related field for courses in this field, and a Bachelor’s in Information Technology or Business with the appropriate IT credentials for coursework in web application and programming. All facilities and equipment are currently in place to adequately support the proposed program. No new costs are anticipated during the first three years of operation. The program will be fiscally supported 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.

Highland Community College
2998 West Pearl City Road
Freeport, IL 61032
President: Mr. Tim Hood

Proposed Program Title: Associate in Applied Science in Criminal Justice

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

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Highland Community College is seeking approval to offer a 61 credit hour Associate in Applied Science (AAS) in Criminal Justice. This program will prepare individuals for entry-level employment or advancement opportunities in the field of criminal justice, including local, state, and federal law enforcement agencies; correction institutions; and probation/parole agencies. The curriculum was developed in collaboration with local law enforcement representatives and includes a significant amount of transferrable coursework. This curricular design not only provides employment training, but also allows for transfer opportunities if students decide to continue their education in this field at the baccalaureate level. The curriculum includes 21 credit hours of required general education coursework, 32 credit hours of required career and technical education coursework, and eight credit hours of related technical electives. The career and technical component includes instruction in introductory criminal justice, introductory corrections, introductory criminology, criminal law, law enforcement information systems, ethics, elementary Spanish, and first aid, as well as a required work-based learning experience in a criminal justice setting. Assessment of student learning will be achieved through evaluation of the student's performance by the work-site supervisor during the work-based learning experience, as well as through a portfolio review by program faculty.

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. According to the Illinois Department of Employment Security (IDES), employment of "police and correctional officers" is expected to increase by 2 percent statewide through 2022. The College also offers a related short-term training certificate in this field. The proposed degree program will provide an educational ladder opportunity for those students and graduates.

Resources: Faculty, Staff, etc.

The program will require one new full-time faculty the first year. Qualified faculty will hold at least a Master's in Criminal Justice or closely related field, have at least one year related work experience in the field, and at least one year teaching experience. Facilities are in place to adequately support the program. Costs to implement the program are approximately \$85,000 the first year, \$85,100 the second year, and \$86,300 the third year. The program will be fiscally supported by student tuition and fees.

Staff Conclusion

Highland 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.

Triton College
2000 5th Avenue
River Grove, IL 60171
Interim President: Mary-Rita Moore

Proposed Program Title: Associate in Applied Science in Cybersecurity and Information Assurance

Projected Enrollments: The College anticipates enrollment of five full-time and five 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

Triton College is seeking approval to offer a 64 credit hour Associate in Applied Science (AAS) in Cybersecurity and Information Assurance. This program will prepare individuals for entry-level employment, as well as for advancement opportunities, in the field of network and data security. The curriculum consists of 15 credit hours of required general education coursework, 28 credit hours of required career and technical education coursework, and 21 credit hours of related technical electives in the areas of network security, data assurance and computer forensics. Assessment of student learning will be achieved through completion of a capstone course that includes a comprehensive final project and written exam. The program was developed according to standards of the CyberWatch Consortium Center for Excellence and will prepare students for CISCO Certified Network Administrator (CCNA) credentialing through CISCO, Inc. The program was also developed with transferability in mind. The curriculum will articulate towards baccalaureate programs in computer and network security at DePaul University and the Illinois Institute of Technology. Once all appropriate state approvals have been granted, Triton College will be listed on the National Security Agency's (NSA) list of CyberWatch Centers of Excellence for the proposed program.

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 proposed program will complement existing offerings in information and network technology. According to the Illinois Department of Employment Security (IDES), growth in the employment of information security analysts is expected to increase by 30.1 percent and of "computer systems analysts" by 26.4 percent statewide through 2022.

Resources: Faculty, Staff, etc.

The program will require two new part-time faculty, one existing full-time and two existing part-time faculty the first year. Qualified faculty must hold at least a Bachelor's in Information Technology, have five years related occupational experience, two years teaching experience and hold the appropriate CISCO credentials for teaching CISCO courses.

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.

Waubonsee Community College
47 Waubonsee Drive
Sugar Grove, IL 60554
President: Dr. Christine Sobek

Proposed Program Title: Associate in Applied Science in Automation Technology

Projected Enrollments: The College anticipates enrollment of 20 full-time and ten part-time students per year during the first three years of the program.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Waubonsee Community College is seeking approval to offer a 60 credit hour Associate in Applied Science (AAS) in Automotive Transportation Service Technology. This program will prepare individuals for entry-level employment, as well as advancement opportunities, in the field of automotive technology. Graduates of the program will be eligible for several industry credentials. The program was developed according to accreditation standards of the National Automotive Technician Education Foundation (NATEF) and will prepare graduates for 20 various Automotive Service Excellence (ASE) certifications. The curriculum includes 15 credit hours of general education coursework, 39 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 maintenance and light repair, automotive recycling, engine service, brake systems, electrical/electronic systems, suspension and wheel alignment, fuel and emission systems, hybrid and alternative fuel vehicles, introductory and advanced light duty diesel engines, class car care and service, parts specialist, service advisor, and safety principles. Assessment of student learning will be achieved through a practical performance and written evaluation of skills conducted by program faculty.

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 short-term certificate which articulates toward the proposed degree and offers several related programs with common coursework required. According to the Illinois Department of Employment Security (IDES), employment growth of automotive service mechanics and technicians is expected to increase by 9.2 percent statewide through the year 2022.

Resources: Faculty, Staff, etc.

The program will require three existing full-time and four existing part-time faculty the first year, with additional faculty added in year two and/or three. Qualified faculty must hold a Bachelor's degree in a related field or an Associate's degree in Automotive Technology with at least two years related work experience, hold current ASE Certifications in the specific area of instruction, and have two years teaching experience. Classroom and laboratory space is currently in place to adequately support the proposed program. Some new equipment purchases will be necessary over the first three years. Estimated costs to support the program are \$388,000 year one, \$417,250 year two, and \$429,722 year three. The program will be supported fiscally through student tuition and fees.

Staff Conclusion

Waubonsee Community College and its proposed program meet the criteria to implement the Board of Higher Education Act (110 ILCS 205) as set forth in 23 Ill. Adm. Code 1050.30 and the Illinois

Board of Higher Education policies pertaining to assessment and accreditation for licensure.

Proposed Program Title: Associate in Applied Science in Construction Technology Professional

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

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Waubonsee Community College is seeking approval to offer a 60 credit hour Associate in Applied Science (AAS) in Construction Technology Professional. This program will prepare individuals for employment with the Chicago Regional Council of Carpenters (CRCC) as journey-level carpenters and was developed to encourage educational credential attainment by local CRCC apprentices. The curriculum was developed according to the U.S. Department of Labor-Bureau of Apprenticeship and Training's standards for carpentry apprenticeship programs. Completion of the general education coursework in addition to the apprenticeship training will offer students the opportunity to graduate with an associate's degree. The curriculum consists of 15 credit hours of required general education coursework and 45 credit hours of required career and technical education coursework. The career and technical component includes instruction in safety and accident prevention, construction/carpentry terminology, tools and materials handling, construction layout, metal stud framing, ceiling systems and scaffolding, print reading, drywall installation, calculating rough and finish dimensions, concrete, exterior and interior trim, stairs, decks, and roofing. Upon completion the student will have completed at least 2,000 hours of on-the-job training. Assessment of student learning 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 worksite supervisor.

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. According to the Illinois Department of Employment Security (IDES), employment of carpenters is expected to increase by 13 percent statewide through 2022.

Resources: Faculty, Staff, etc.

The program will require five existing part-time faculty for implementation. Qualified faculty must hold journey-level status with the CRCC, have at least five to seven years of occupational experience and two years teaching experience. All facilities and equipment will be shared with the CRCC. No new costs are anticipated to support this program. The program will be fiscally supported by student tuition and fees.

Staff Conclusion

Waubonsee 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.