NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES

Submitted for: Action.

Summary: This item requests approval of 13 new associate degree programs to be offered at 11 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 Game Animation and Design

Harry S Truman College
- Associate in Applied Science in Human Development and Family Studies

Kankakee Community College
- Associate in Applied Science in Computer Graphics Technology

Kennedy-King College
- Associate in Applied Science in Advanced Social Services-Addictions Studies

Malcolm X College
- Associate in Applied Science in Physical Therapy Assistant
- Associate in Applied Science in Web Development

Olive-Harvey College
- Associate in Applied Science in Web Development

Prairie State College
- Associate in Applied Science in Industrial Mechanic

Richard J. Daley College
- Associate in Applied Science in Web Development

Richland Community College
- Associate in Applied Science in Healthcare Documentation

Triton College
- Associate in Applied Science in Environmental Science

Wilbur Wright College
- Associate in Applied Science in Networking Systems and Technologies
- Associate in Applied Science in Web Development

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 review the proposal. Once agreement is reached on a proposal having met the approval criteria, a recommendation for approval is presented to each board.

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

Proposed Program Title: Associate in Applied Science in Game Animation and Design

Projected Enrollments: The College of DuPage anticipates an enrollment of six full-time and eight part-time students the first year, increasing to 12 full-time and 14 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

College of DuPage (COD) is seeking approval to offer a 68 credit hour Game Animation and Design Associate in Applied Science (AAS) degree. This program will prepare individuals for entry-level employment in video and computer game animation and design within the entertainment, simulation, educational and training segments of the gaming industry. The proposed curriculum complements existing program offerings at the College in Game Development and Game Programming, as well as offers a different educational path geared towards individuals with an art background.

The curriculum includes 19 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 introduction to the gaming industry, introductory and advanced game design, 2D game development, 2D game scripting, history and introduction to animation, introductory and advanced 3D game development, introductory and advanced 3D animation, introductory and advanced motion graphics and special effects, programming logic and technique, and a required animation portfolio development course. Assessment of student learning will be achieved through evaluation of the student's portfolio, including artifacts of their educational accomplishments and a final project. The College developed the curriculum based on

needs of local employers, as well as based on information from the International Game Developers Association, of which COD faculty are members and contributors to the Special Interest Group on Game Programming, Animation, Design, and Education.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a program geared toward existing art students and individuals with art backgrounds looking for an educational path into the field of gaming. According to *Video Games in the 21st Century: The 2010 Report*, an economic impact study conducted by Economists Incorporated, Illinois ranks sixth nationwide for the number of people employed in gaming-related occupations. Employment of "applications software developers" and "multi-media artists and animators" is expected to increase by an average of 16.3 percent statewide through 2020, based on projections by the Illinois Department of Employment Security (IDES).

Resources: Faculty, Staff, etc.

The program will require two existing full-time and four existing part-time faculty for implementation. Qualified faculty will hold a minimum of a Bachelor's degree in computer information systems with an emphasis in game development/design/programming, possess two years occupational experience in the gaming industry, and have two years teaching experience at the college level. All facilities and equipment are currently in place to adequately support the program. The proposed program will share resources with related programs already in operation at the College. No new costs are anticipated for implementation of the program, which will be supported fiscally over the first three years of operation 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.

Harry S Truman College
1145 West Wilson Avenue
Chicago, Illinois 60640
President: Dr. Reagan Romali

Proposed Program Title: Associate in Applied Science in Human Development and Family Studies

> *Projected Enrollments:* Harry S Truman College anticipates enrollment of five full-time and ten part-time students the first year, increasing to 20 full-time and 25 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Harry S Truman College, one of the City Colleges of Chicago, is seeking approval to offer a 60 credit hour Associate in Applied Science (AAS) degree in Human Development and Family Studies. This program will prepare individuals for entry-level employment in the human services field, as well as provide for maximum transferability into related baccalaureate degree

programs. The program mirrors one currently offered at a neighboring Chicago City College, Olive-Harvey College. The curriculum consists of 20 credit hours of required general education coursework, 34 credit hours of required career and technical education coursework, and 6 credit hours of related technical electives. The career and technical component includes instruction in introductory and advanced human growth and development, human development and sexuality, intimate relationships, family life education, family development with cross-cultural perspectives, ethics, and study of society, and a required internship in human development. Assessment of student learning will be achieved through evaluation of the student's performance during the work-based learning experience by program faculty and worksite supervisor.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a program in this field of study. According to the Illinois Department of Employment Security (IDES), growth in the employment of "human and social service assistants" is expected to increase by 13.3 percent statewide through 2020. The program will also prepare students for transfer into Northern Illinois University's Human Development and Family Studies baccalaureate program.

Resources: Faculty, Staff, etc.

All resources are currently in place to adequately support the proposed program. One existing full-time and one existing part-time faculty will be required during the first year of operation. Qualified faculty must possess a Master's degree in Human Development or a related field of study, have five years related occupational experience, and have two years teaching experience. No new costs are anticipated during the first three years to implemented and operate the program. The program will be fiscally supported through student tuition and fees.

Staff Conclusion. Harry S Truman 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.

Kankakee Community College
100 College Drive
Kankakee, Illinois 60901
President: Dr. John Avendano

Proposed Program Title: Associate in Applied Science in Computer Graphics Technology

> *Projected Enrollments:* Kankakee Community College anticipates an enrollment of five full-time and five part-time students the first year, increasing to 10 full-time and 10 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Kankakee Community College is seeking approval to offer a 67 credit hour Computer Graphics Technology Associate in Applied Science (AAS) degree program. The program will prepare students for entry-level employment as computer graphics technicians with specialized skills in multimedia and animation, design technologies (such as computer-aided drafting and design), or graphic design (such as desktop publishing or web page design).

The curriculum consists of 16 credit hours of required general education coursework and 51 credit hours of required career and technical education coursework. The career and technical component of the curriculum includes a 31 credit hour core and 20 credit hours of specialized coursework. Core coursework includes introductory information processing applications, digital photography, introductory web design, Photoshop digital imaging, AutoCad I and II, 3D modeling with AutoCAD, introductory video game design, digital sculpting with Mudbox, and 3D animation and rendering. Specialized coursework includes content specific to one of the three areas of focus in computer graphics, design, or graphics design. Assessment of student learning will be achieved through evaluation of a student portfolio by program faculty during the student's final semester and a final presentation for College faculty and student peers. The degree program has also been accepted for articulation by Governors State University towards their Interdisciplinary Studies Bachelors of Science degree program.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a program in this field of study. According to the Illinois Department of Employment Security (IDES), growth in the employment of occupations related to the proposed program is expected to increase between six and 13 percent statewide through 2020. This includes employment growth for "computer-aided drafters" (six percent), "multimedia artists and animators" (eight percent), and "graphic designers" (13 percent).

Resources: Faculty, Staff, etc.

Qualified part-time faculty possess a minimum of an Associate's degree in Computer Graphics/Design, while full-time faculty hold a Bachelor's degree in Graphic Design. A minimum of two years related occupational experience and one year of teaching experience is also required. All facilities are currently in place to adequately support the proposed program; however, costs to provide maintenance on existing equipment and updated software has been budgeted. Costs to implement the program are approximately $19,000 year one, $17,000 year two, and $15,000 year three. The program will be supported fiscally through student tuition and fees.

Staff Conclusion. Kankakee 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.

Kennedy-King College
6301 South Halsted Street
Chicago, Illinois 60621
President: Ms. Arshele Stevens

Proposed Program Title: Associate in Applied Science in Advanced Social Services-Addictions Studies

> *Projected Enrollments:* Kennedy-King College anticipates an enrollment of 30 full-time and 20 part-time students the first year, increasing to 40 full-time and 30 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Kennedy-King College, one of the City Colleges of Chicago, is seeking approval to offer a 70 credit hour Associate in Applied Science (AAS) degree in Advanced Social Services-Addictions Studies. The program will prepare individuals for entry-level employment, as well as advancement opportunities, within the specialty field of addictions counseling. The program was developed to allow students to achieve dual competencies in addictions studies and mental health and to meet the criteria for preparing students to sit for Illinois Certification Board exams in Drug and Alcohol counseling (CADC), Domestic Violence counseling (IDV), and Anger Management and Conflict Resolution (AM/CR) counseling through the Illinois Alcohol and Other Drug Abuse Professional Certification Association (IAODAPCA).

The degree curriculum consists of 15 credit hours of required general education coursework and 55 credit hours of career and technical education coursework. The career and technical component includes instruction in principles of social work practices, report writing for social services, introductory group processes, social problems and social action, methodology for social work, human growth and development, introductory addictions studies, principles and practice of addictions studies, addictions and the family, addictions treatment of special populations, social service practicum, mental health practicum, domestic violence practicum, social work, mental health, and domestic violence practices. Assessment of student learning will be achieved through evaluation of the student's performance on a mock CADC exam, as well as through observation of their performance during the practical learning experiences by program faculty.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a program in this field of study. According to the Illinois Department of Employment Security (IDES), growth in the employment of "social and human service assistants" and "substance abuse and behavioral disorder counselors" is expected to increase by an average of 18 percent statewide and by 17.5 percent in Cook County through 2023. The College was also recently approved to offer a related Addictions Studies Certificate.

Resources: Faculty, Staff, etc.

The program will require two existing full-time faculty, five existing part-time faculty, and one new part-time faculty member for implementation. Qualified faculty teaching career and technical coursework must hold a Master's degree in social work, psychology or clinical psychology, hold a current IAODAPCA certification, have five years related occupational experience, and have two years teaching experience. All facilities are currently in place to adequately support the proposed program; however, a few updates to equipment will be necessary during the first three years of operation. Costs to implement the program are approximately $8,646 the first year, $3,000 the second year, and $52,739 the third year. Higher third-year costs reflect the addition of one full-time faculty member. The program will be supported fiscally through student tuition and fees.

Staff Conclusion. Kennedy-King 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: Associate in Applied Science in Physical Therapy Assistant

> *Projected Enrollments:* Malcolm X College anticipates an enrollment of 15 full-time students the first year, increasing to 30 full-time 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 70 credit hour Associate in Applied Science (AAS) degree in Physical Therapy Assistant. This program will prepare individuals for entry-level employment as physical therapy assistants. The curriculum was developed according to competency standards of the Commission on Accreditation in Physical Therapy Education and will prepare individuals for the required Physical Therapy Assistant licensing exam offered through the Illinois Department of Financial and Professional Regulation (IDFPR). The curriculum includes 17 credit hours of required general education coursework, 35 credit hours of required career and technical education coursework, and 18 credit hours of required PTA clinical practice. The curriculum will also prepare individuals for optional certification as a Personal Trainer through the National Academy of Sports Medicine. Assessment of student learning will be achieved through completion of a skills competency checklist prior to clinical practice, as well as through comprehensive exams during their clinical experience and a practice pre-certification licensing exam.

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 "physical therapy assistants" is expected to increase by 25 percent statewide through the year 2020. Furthermore, the College has worked with its program advisory committee, including representation from a large Chicago-based physical therapy service provider, to identify a need for this program.

Resources: Faculty, Staff, etc.

The program will require one new full-time and one new part-time faculty the first year for implementation. Qualified full-time faculty will possess a doctoral degree in physical therapy, hold current licensure as a physical therapist, have two years of related occupational experience, and have two years of teaching experience. Qualified part-time faculty must possess at least an associate's degree in physical therapy assistant, hold current PTA licensure, have two years of related occupational experience, and have two years of teaching experience. All facilities are in place to adequately support the program; however, some equipment will need to be purchased for implementation. Costs to implement the program are estimated at $166,240 during year one, $160,000 during year two, and $45,000 during year three. The program will be supported fiscally through student tuition and fees.

Proposed Program Title: Associate in Applied Science in Web Development

Projected Enrollments: Malcolm X College anticipates an enrollment of 13 full-time and nine part-time students the first year, increasing to 16 full-time and 12 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 (AAS) degree in Web Development. The program will prepare individuals for entry-level employment, as well as advancement opportunities within the field of web development. The degree curriculum consists of 16 credit hours of required general education coursework and 45 credit hours of career and technical education coursework. The career and technical component includes instruction in computer science, operating systems, Java-based programming language, introductory through advanced levels of web development, basic web technologies, client side scripting, server side programming, web database integration, client-server database, business essentials, microcomputers, security essentials, special topics in web development, and a required field project course. Assessment of student learning will be achieved through evaluation of a student portfolio, the student's performance on a capstone project or during an optional work-based learning experience.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a program in this field of study. According to the Illinois Department of Employment Security (IDES), employment of "web developers" is expected to increase by 20.3percent through 2020 statewide. Malcolm X College was also recently approved to offer a related short-term Basic Web Development Certificate and an Advanced Web Development Certificate. The proposed program will provide an educational ladder opportunity for students interested in increasing and advancing their knowledge and skill level in the field.

Resources: Faculty, Staff, etc.

The program will require one existing full-time faculty member, four existing part-time faculty, and one new full-time faculty member the first year. Qualified full-time faculty must possess a Master's degree in Computer Science, Information Technology or a closely related field, hold one year of related occupational experience and one year teaching experience. Costs to implement the program are approximately $19,500 during the first year, $171,500 during the second year, and $900 during the third year. Higher second year costs reflect the addition of a full-time faculty coordinator. The program will be supported fiscally 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.

Olive-Harvey College
10001 South Woodlawn Avenue
Chicago, Illinois 60628
President: Ms. Angelia Millender

Proposed Program Title: Associate in Applied Science in Web Development

> *Projected Enrollments:* Olive-Harvey College anticipates an enrollment of 13 full-time and nine part-time students the first year, increasing to 16 full-time, 12 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 (AAS) degree in Web Development. The program will prepare individuals for entry-level employment, as well as advancement opportunities within the field of web development. The degree curriculum consists of 16 credit hours of required general education coursework and 45 credit hours of career and technical education coursework. The career and technical component includes instruction in computer science, operating systems, Java-based programming language, introductory through advanced levels of web development, basic web technologies, client side scripting, server side programming, web database integration, client-server database, business essentials, microcomputers, security essentials, special topics in web development, and a required field project course. Assessment of student learning will be achieved through evaluation of a student portfolio, the student's performance on a capstone project or during an optional work-based learning experience.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a program in this field of study. According to the Illinois Department of Employment Security (IDES), employment of "web developers" is expected to increase by 20.3 percent through 2020 statewide. Olive-Harvey College was also recently approved to offer a related short-term Basic Web Development Certificate and an Advanced Web Development Certificate. The proposed program will provide an educational ladder opportunity for students interested in increasing and advancing their knowledge and skill level in the field.

Resources: Faculty, Staff, etc.

The program will require one existing full-time faculty member, four existing part-time faculty, and one new full-time faculty member the first year. Qualified full-time faculty must possess a Master's degree in Computer Science, Information Technology or a closely related field, hold one year of related occupational experience and one year teaching experience. Costs to implement the program are approximately $19,500 during the first year, $171,500 during the second year, and $900 during the third year. Higher second year costs reflect the addition of a full-time faculty coordinator. 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.

Prairie State College
202 South Halsted Street
Chicago Heights, Illinois 60411
President: Dr. Terri Winfree

Proposed Program Title: Associate in Applied Science in Industrial Mechanic

> *Projected Enrollments:*   Prairie State College anticipates an enrollment of two full-time and six part-time students the first year, increasing to six full-time and eight part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Prairie State College is seeking approval to offer a 62 credit hour Associate in Applied Science (AAS) degree program in Industrial Mechanic. This program will prepare individuals for entry-level employment as maintenance and repair mechanics for industrial machinery. The curriculum was designed based on input from the program advisory committee consisting of local employers, many looking for industrial maintenance technicians.

The curriculum includes 19 credit hours of required general education coursework and 43 credit hours of required career and technical education coursework. The career and technical component includes instruction in drafting essentials; drafting conventions and symbols; blueprint reading for the mechanical trades; hydraulics fundamentals and controls; pneumatics; lubrication; rigging; power train elements; pipefitting; basic arc welding/Oxyfuel welding; intermediate arc welding including sheet metal and gas metal arc welding; machine vibration analysis; metal working processes; machining basics; machine job planning; and introductory and intermediate levels of industrial maintenance techniques. Assessment of student learning will be achieved through evaluation of the student's performance during a capstone performance exam entailing troubleshooting and repairing equipment/systems based on a test scenario.

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), growth in the employment of "industrial machinery mechanics" is expected to increase by 15.5 percent statewide through the year 2020. Locally, employment growth of this occupation within the College's district and neighboring areas is expected to increase between 11 and 18 percent through 2020. The program was developed through the INAM consortia of colleges, the Illinois Network for Advanced Manufacturing, a coordinated effort between those colleges awarded a Department of Labor Trade Adjustment Assistance Community College and Career Training (TAACCCT) grant. The INAM consortium recommended the development of this degree program to help address local employer needs in the field and provide educational ladder opportunities for students in related programs at other INAM institutions.

Resources: Faculty, Staff, etc.

The program will require one new full-time, two new part-time, and ten existing part-time instructors the first year. Qualified full-time faculty must possess at least a Bachelor's degree in engineering/industrial technology, have three years of related occupational experience,

and, preferably, have one year of teaching experience. Qualified part-time faculty must possess at least an Associate's degree in industrial technology or hold Journey-person status as an industrial machinery mechanic, have five years related occupational experience, and have one year teaching experience. All facilities are adequately in place to support the proposed program; however, some equipment has been purchased and donated by local employers. Equipment costs have been covered by TAACCCT grant funds. Costs to implement the program are estimated at $70,000 during year one and $5,000 during years two and three. Higher first-year costs reflect the hiring of a full-time faculty coordinator and program marketing/recruitment expenses.

Staff Conclusion. Prairie State 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.

Richard J. Daley College
7500 South Pulaski Road
Chicago, Illinois 60652
President: Dr. Jose Aybar

Proposed Program Title: Associate in Applied Science in Web Development

> *Projected Enrollments:* Richard J. Daley College anticipates an enrollment of 13 full-time and nine part-time students the first year, increasing to 16 full-time, 12 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Richard J. Daley College, one of the City Colleges of Chicago, is seeking approval to offer a 61 credit hour Associate in Applied Science (AAS) degree in Web Development. The program will prepare individuals for entry-level employment, as well as advancement opportunities within the field of web development. The degree curriculum consists of 16 credit hours of required general education coursework and 45 credit hours of career and technical education coursework. The career and technical component includes instruction in computer science, operating systems, Java-based programming language, introductory through advanced levels of web development, basic web technologies, client side scripting, server side programming, web database integration, client-server database, business essentials, microcomputers, security essentials, special topics in web development, and a required field project course. Assessment of student learning will be achieved through evaluation of a student portfolio, the student's performance on a capstone project or during an optional work-based learning experience.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a program in this field of study. According to the Illinois Department of Employment Security (IDES), employment of "web developers" is expected to increase by 20.3 percent through 2020 statewide. Richard J. Daley College was also recently approved to offer a related short-term Basic Web Development Certificate and an Advanced Web Development Certificate. The proposed program will provide an educational ladder opportunity for students interested in increasing and advancing their knowledge and skill level in the field.

Resources: Faculty, Staff, etc.

The program will require one existing full-time faculty member, four existing part-time faculty, and one new full-time faculty member the first year. Qualified full-time faculty must possess a Master's degree in Computer Science, Information Technology or a closely related field, hold one year of related occupational experience and one year teaching experience. Costs to implement the program are approximately $19,500 during the first year, $171,500 during the second year, and $900 during the third year. Higher second year costs reflect the addition of a full-time faculty coordinator. The program will be supported fiscally through student tuition and fees.

Staff Conclusion. Richard J. Daley 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.

Richland Community College
One College Park
Decatur, Illinois 62521
President: Dr. Gayle Saunders

Proposed Program Title: Associate in Applied Science in Healthcare Documentation

Projected Enrollments: Richland Community College anticipates an enrollment of ten full-time and 14 part-time students the first year, increasing to 14 full-time and 24 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Richland Community College is seeking approval to offer a 62 credit hour Associate in Applied Science (AAS) degree in Healthcare Documentation. This program will prepare individuals for entry-level employment as healthcare documentation specialists, also known as medical transcriptionists. The curriculum is based on standards for medical transcription education programs developed by the American Health Information Management Association (AHIMA) and the Association for Healthcare Documentation Integrity (AHDI) and is approved by the Approval Committee for Certificate Programs (ACCP), a joint committee of AHIMA and AHDI.

The curriculum consists of 18 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, intermediate, and advanced levels of healthcare documentation; medical terminology; anatomy and physiology fundamentals; pathophysiology fundamentals; pharmacology fundamentals; electronic health records; interpreting healthcare records; editing and proofreading; speech recognition technology editing; quality improvements in healthcare; healthcare information law and ethics; and a required professional work-based learning experience in the field. Assessment of student learning will be achieved through evaluation of the student's performance during the work-based learning practicum by program faculty. Graduates of the program will be prepared for the optional but preferred Registered Medical Transcriptionist (RMT) certification and the Registered Healthcare Documentation Specialist (RHDS) medical certification through AHIMA.

Labor Market Information

Labor market information provided by the college supports the interest in and the need for a program in this field of study. According to the Illinois Department of Employment Security (IDES), employment of "medical transcriptionists, medical records/health information technicians, medical secretaries, and insurance claim and processing technicians" is expected to increase by an average of 5.33 percent statewide through 2020.

Resources: Faculty, Staff, etc.

The program will require one existing full-time faculty, three existing part-time faculty, and one new part-time faculty the first year. According to ACCP guidelines, qualified faculty must possess a minimum of an Associate's degree in healthcare documentation or health information technology, hold a current Certified Medical Transcriptionist (CMT) designation and/or the Registered Healthcare Documentation Specialist (RHDS) medical certification, and have five years related work experience and two years teaching experience. The proposed program will share some facilities and related resources with existing programs in health information technology. Costs to implement the program are estimated at $104,100 year one, $107,900 year two, and $110,800 year three. Costs reflect the addition of a full-time faculty coordinator, accreditation review and application expenses, equipment purchases, and some upgrades to existing laboratory facilities. The program will be supported fiscally through student tuition and fees.

Staff Conclusion. Richland 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 Fifth Avenue
River Grove, Illinois 60171
President: Dr. Patricia Granados

Proposed Program Title: Associate in Applied Science in Environmental Science

Projected Enrollments: Triton College anticipates an enrollment of two full-time and five part-time students the first year, increasing to five full-time and 10 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Triton College is seeking approval to offer a 67 credit hour Associate in Applied Science (AAS) degree in Environmental Science. This program will prepare individuals for entry-level employment as science/field technicians specializing in the areas of environmental technology, geography/geology, or sustainable agriculture. The curriculum was also designed to provide for maximum transferability into related baccalaureate degree programs. The program requires 18 credit hours of general education coursework, 32 credit hours of required career and technical core coursework, 10 credit hours in specialty coursework, and seven credit hours of related technical electives. The career and technical component includes core instruction in natural resource management, environmental biology, field methods and sampling, maps and landforms, weather and climate, environmental geology, global hazards and change, field ecology,

agroecology, urban agricultural issues, entomology, sustainable landscape practices, and innovations in sustainability. Assessment of student learning will be achieved through evaluation of the student's performance on a comprehensive final exam and field evaluation.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a two year degree program that prepares students for working in this field, but also provides the opportunity for continuing along their educational ladder towards a baccalaureate degree. The College has developed articulation agreements for the proposed program with Dominican University's and Roosevelt University's bachelor's degrees in environmental science. According to the Illinois Department of Employment Security (IDES), employment of "environmental science technicians" is expected to increase by eight percent statewide through 2020.

Resources: Faculty, Staff, etc.

The program will require one new full-time faculty, one existing full-time faculty and five existing part-time faculty the first year. Qualified faculty will hold a Master's degree in Environmental Science or a closely related field, and have one year related occupational experience and one year teaching experience. Costs to implement the program are approximately $68,034 year one, $45,923 year two, and $47,759 year three. The program will be fiscally supported through student tuition and fees. Facilities are currently in place to adequately support the program; however, some equipment will need to be purchased prior to implementation.

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.

Wilbur Wright College
4300 North Narragansett Avenue
Chicago, Illinois 60634
President: Dr. David Potash

Proposed Program Title: Associate in Applied Science in Networking Systems and Technologies

> *Projected Enrollments:* Wilbur Wright College anticipates an enrollment of 70 full-time and 10 part-time students the first year, increasing to 100 full-time and 20 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Wilbur Wright College, one of the City Colleges of Chicago, is seeking approval to offer a 61 credit hour Associate in Applied Science (AAS) degree in Networking Systems and Technologies. The program will prepare individuals for entry-level employment, as well as advancement opportunities within the networking field. The degree curriculum consists of 16 credit hours of required general education coursework and 45 credit hours of career and technical education coursework. The career and technical component includes instruction in computer science, computer operations, operating systems, client-based operating systems, introductory

through advanced levels of internetworking, server operating systems, information security essentials, internetworking security, business essentials, IT problem solving, special topics in networking systems and technologies, and a required field project course. Assessment of student learning will be achieved through evaluation of a student portfolio, the student's performance on a capstone project or during an optional work-based learning experience.

Labor Market Information

Labor market information provided by the College supports the interest in and the need for a program in this field of study. According to the Illinois Department of Employment Security (IDES), employment of "information security analyst and computer network support specialists" is expected to increase by an average of 22 percent through 2020 statewide. The College was also recently approved to offer a related short-term Basic Networking Systems and Technologies Certificate and an Advanced Networking Systems and Technologies Certificate. The proposed degree program will provide educational ladder opportunity for students interested in increasing and advancing their knowledge and skill level in the field.

Resources: Faculty, Staff, etc.

The program will require one existing full-time faculty member, four existing part-time faculty, and one new full-time faculty member the first year. Qualified full-time faculty must possess a Master's degree in computer science, information technology or a closely related field, have one year of related occupational experience, and have one year teaching experience. Costs to implement the program are approximately $88,600 during the first year, $254,000 during the second year, and no new costs during the third year. Higher second year costs reflect the addition of a full-time faculty coordinator for the program. The program will be supported fiscally through student tuition and fees. All facilities are currently in place to adequately support the proposed program; however, some equipment purchases will be necessary during the first two years of operation.

Proposed Program Title: Associate in Applied Science in Web Development

Projected Enrollments: Wilbur Wright College anticipates an enrollment of 13 full-time and nine part-time students the first year, increasing to 16 full-time and 12 part-time students by the third year.

Introduction, Curriculum, and Assessment of Student Learning Outcomes

Wilbur Wright College, one of the City Colleges of Chicago, is seeking approval to offer a 61 credit hour Associate in Applied Science (AAS) degree in Web Development. The program will prepare individuals for entry-level employment, as well as advancement opportunities within the field of web development. The degree curriculum consists of 16 credit hours of required general education coursework and 45 credit hours of career and technical education coursework. The career and technical component includes instruction in computer science, operating systems, Java-based programming language, introductory through advanced levels of web development, basic web technologies, client side scripting, server side programming, web database integration, client-server database, business essentials, microcomputers, security essentials, special topics in web development, and a required field project course. Assessment of student learning will be achieved through evaluation of a student portfolio, the student's performance on a capstone project or during an optional work-based learning experience.

Labor Market Information

Labor market information provided by the colleges supports the interest in and the need for a program in this field of study. According to the Illinois Department of Employment Security (IDES), employment of "web developers" is expected to increase by 20.3 percent through 2020 statewide. Wilbur Wright College was also recently approved to offer a related short-term Basic Web Development Certificate and an Advanced Web Development Certificate. The proposed program will provide an educational ladder opportunity for students interested in increasing and advancing their knowledge and skill level in the field.

Resources: Faculty, Staff, etc.

The program will require one existing full-time faculty member, four existing part-time faculty, and one new full-time faculty member the first year. Qualified full-time faculty must possess a Master's degree in Computer Science, Information Technology or a closely related field, hold one year of related occupational experience and one year teaching experience. Costs to implement the program are approximately $19,500 during the first year, $171,500 during the second year, and $900 during the third year. Higher second year costs reflect the addition of a full-time faculty coordinator. The program will be supported fiscally through student tuition and fees.

Staff Conclusion. Wilbur Wright 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 College of DuPage to offer the Associate in Applied Science in Game Animation and Design subject to the institution's implementation and maintenance of the conditions that were presented it its application and that form the basis upon which this authorization is granted.

The Illinois Board of Higher Education hereby grants authority to Harry S Truman College to offer the Associate in Applied Science in Human Development and Family Studies subject to the institution's implementation and maintenance of the conditions that were presented in its application and that form the basis upon which this authorization is granted.

The Illinois Board of Higher Education hereby grants authority to Kankakee Community College to offer the Associate in Applied Science in Computer Graphics 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 Kennedy-King College to offer the Associate in Applied Science in Advanced Social Services-Addictions Studies subject to the institution's implementation and maintenance of the conditions that were presented in its application and that form the basis upon which this authorization is granted.

The Illinois Board of Higher Education hereby grants authority to Malcolm X College to offer the Associate in Applied Science in Physical Therapy Assistant and the Associate in Applied Science in Web Development 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 Olive-Harvey College to offer the Associate in Applied Science in Web Development 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 Prairie State College to offer the Associate in Applied Science in Industrial Mechanic 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 Richard J. Daley College to offer the Associate in Applied Science in Web Development 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 Richland Community College to offer the Associate in Applied Science in Healthcare Documentation 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 Environmental 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 Wilbur Wright College to offer the Associate in Applied Science in Networking Systems and Technologies and the Associate in Applied Science in Web Development 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.