

APPROVED

March 13, 2024

Melissa Bealon

Board Secretary Melissa Bealon

Item #E-1

March 13, 2024

NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES

Submitted for: Action.

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

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

Danville Area Community College

- Associate of Applied Science in Diagnostic Medical Sonography
- Associate of Applied Science in Echocardiography

Harper College

- Associate of Applied Science in Cybersecurity

McHenry County College

- Associate of Applied Science in Heating, Ventilation, and Air Conditioning
- Associate of Applied Science in Horticulture
- Associate of Applied Science in Software Application Design and Development
- Associate of Applied Science in Welding and Fabrication

Moraine Valley Community College

- Associate of Applied Science in Diagnostic Medical Sonography

Sauk Valley Community College

- Associate of Applied Science in Diagnostic Medical Sonography

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. In addition to the approval criteria in rules, each new program was reviewed for its contributions to the goals of the higher education strategic plan, *A Thriving Illinois: Higher Education Paths to Equity, Sustainability, and Growth*, which sets forth priorities to guide Illinois higher education. Staff recommendations are based on analyses of application materials and responses to staff questions.

Executive Summary

Danville Area Community College

- Associate of Applied Science in Diagnostic Medical Sonography

Danville Area Community College is seeking approval for a 67-credit hour Associate of Applied Science in Diagnostic Medical Sonography. The curriculum includes 16 credit hours of required general education coursework, 35 credit hours of required career and technical education coursework, and 16 credit hours in diagnostic medical sonography clinical practice. This excludes 12 credit hours of general education pre-requisite coursework in anatomy and physiology, and physical science. The curriculum was developed according to standards developed by the Commission on Accreditation of Allied Health Education Programs (CAAHEP)-Joint Review Committee on education in Diagnostic Medical Sonography (JRC-DMS) to prepare graduates for necessary credentialing as a Registered Diagnostic Medical Sonography (RDMS) through the American Registry of Diagnostic Medical Sonography (ARDMS) or for the national certification exam in diagnostic medical sonography through the American Registry of Radiologic Technologists (ARRT). The program focuses on the DMS abdominal and obstetrics/gynecology specialty areas. 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 of Applied Science in Echocardiography

Danville Area Community College is seeking approval for a 64-credit hour Associate of Applied Science in Echocardiography. The curriculum includes 15 credit hours of required general education, 28 credit hours of required career and technical education coursework, and 21 credit hours in echocardiography clinical practice. This excludes 16 credit hours of general education

prerequisite coursework in anatomy and physiology, mathematical foundations, and physical science. The curriculum was developed according to standards developed by the Commission on Accreditation of Allied Health Education Programs (CAAHEP)-Joint Review Committee on education in Diagnostic Medical Sonography (JRC-DMS) to prepare graduates for national certification through the American Registry of Diagnostic Medical Sonography (ARDMS) or Cardiovascular Credentialing International (CCI). This program focuses on the DMS adult cardiac specialty. 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.

Harper College

- Associate of Applied Science in Cybersecurity

Harper College is seeking approval for a 60-credit hour Associate of Applied Science in Cybersecurity. The curriculum includes 15 credit hours of required general education, and 45 credit hours of required career and technical coursework. Graduates of the proposed curricula will be prepared for various industry credentialing including CompTIA ITF+, Network+, Linux+, Security+, Cloud+, PenTest+, Project+, Microsoft Administering Windows Server Hybrid Core Infrastructure, ISACA CISM, EC-Council CHFI, Microsoft 365 Administrator, and ISC2 SSCP certifications. Assessment of student learning for each program will be achieved through evaluation of the student's performance completing a comprehensive final project during the capstone course by program faculty. 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.

McHenry County College

- Associate of Applied Science in Heating, Ventilation, and Air Conditioning

McHenry County College is seeking approval for a 60-credit hour Associate of Applied Science in Heating, Ventilation, and Air Conditioning. The curriculum includes 15 credit hours of required general education, and 45 credit hours of required career and technical coursework. Assessment of student learning will be achieved through evaluation of a comprehensive final project by program faculty. The proposed degree provides an educational ladder opportunity for students and graduates of the College's existing nine HVAC-related Certificate programs. There are policies in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. The College has sufficient library, technology, staff, and financial resources in place to support the proposed program.

- Associate of Applied Science in Horticulture

McHenry County College is seeking approval for a 60-credit hour Associate of Applied Science in Horticulture. The curriculum includes 16 credit hours of required general education, 28

credit hours of required career and technical coursework, and 16 credit hours in related technical electives. Assessment of student learning will be achieved through evaluation of a comprehensive final project by program faculty. The proposed degree provides an educational ladder opportunity for students and graduates of the College's existing Horticulture Basics, Advanced Horticulture, and Floral Design Certificate programs. There are policies in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. The College has sufficient library, technology, staff, and financial resources in place to support the proposed program.

- Associate of Applied Science in Software Application Design and Development

McHenry County College is seeking approval for a 60-credit hour Associate of Applied Science in Software Application Design and Development. The curriculum includes 15 credit hours of required general education, 27 credit hours of required career and technical coursework, six credit hours of work-based learning, and 12 credit hours of related technical electives. Graduates of the proposed curricula will be prepared for optional industry credentialing in web development, iOS development, Android development, and Python development. Assessment of student learning for both programs will be achieved through evaluation of the student's performance during the capstone project/internship by program faculty or worksite supervisor. 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 of Applied Science in Welding and Fabrication

McHenry County College is seeking approval for a 60-credit hour Associate of Applied Science in Welding and Fabrication. The curriculum includes 15 credit hours of required general education, and 45 credit hours of required career and technical coursework. Assessment of student learning will be achieved through evaluation of a comprehensive final project by program faculty. The proposed degree provides an educational ladder opportunity for students and graduates of the College's existing five welding-related certificate programs. There are policies in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. The College has sufficient library, technology, staff, and financial resources in place to support the proposed program.

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

Moraine Valley Community College

- Associate of Applied Science in Diagnostic Medical Sonography

Moraine Valley Community College is seeking approval for a 62-credit hour Associate of Applied Science in Diagnostic Medical Sonography. The curriculum includes 16 credit hours of required general education, 36 credit hours of required career and technical coursework and 10 credit hours in diagnostic medical sonography clinical practice. The curriculum was developed according to standards outlined by the Commission on Accreditation of Allied Health Education Programs (CAAHEP)-Joint Review Committee on education in Diagnostic Medical Sonography (JRC-DMS) to prepare graduates for necessary credentialing as a Registered Diagnostic Medical Sonography (RDMS) through the American Registry of Diagnostic Medical Sonography (ARDMS) or

for the national certification exam in diagnostic medical sonography through the American Registry of Radiologic Technologists (ARRT). Assessment of student learning will be achieved through evaluation of the student's performance during their clinical learning experience and through a practice registration exam. There are policies in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. The College has sufficient library, technology, staff, and financial resources in place to support the proposed program.

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

Sauk Valley Community College

- Associate of Applied Science in Diagnostic Medical Sonography

Sauk Valley Community College is seeking approval for a 77-credit hour Associate of Applied Science in Diagnostic Medical Sonography. The curriculum includes 22 credit hours of required general education, 42 credit hours of required career and technical coursework and 13 credit hours in diagnostic medical sonography clinical practice. The curriculum was developed according to standards developed by the Commission on Accreditation of Allied Health Education Programs (CAAHEP)-Joint Review Committee on education in Diagnostic Medical Sonography (JRC-DMS) to prepare graduates for necessary credentialing as a Registered Diagnostic Medical Sonography (RDMS) through the American Registry of Diagnostic Medical Sonography (ARDMS) or for the national certification exam in diagnostic medical sonography through the American Registry of Radiologic Technologists (ARRT). Assessment of student learning will be achieved through evaluation of the student's performance during their clinical learning experience and through a practice registration exam. There are policies in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. The College has sufficient library, technology, staff, and financial resources in place to support the proposed program.

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

The staff recommends adoption of the following resolutions:

The Illinois Board of Higher Education hereby grants authority to the Danville Area Community College to offer the Associate of Applied Science in Diagnostic Medical Sonography and the Associate of Applied Science in Echocardiography 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 of Applied Science in Cybersecurity 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 of Applied Science in Heating, Ventilation, and Air Conditioning, Associate of Applied Science in Horticulture, Associate of Applied Science in Software Application Design and Development and the Associate of Applied Science in Welding and Fabrication, 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 Moraine Valley Community College to offer the Associate of Applied Science in Diagnostic Medical Sonography 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 Sauk Valley Community College to offer the Associate of Applied Science in Diagnostic Medical Sonography 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.

Danville Area Community College
2000 East Main Street
Danville, IL 61832
President: Dr. Stephen Nacco

Proposed Program Title: Associate of Applied Science in Diagnostic Medical Sonography

Program Purpose

The program will prepare individuals for employment as registered diagnostic medical sonographers in a variety of healthcare settings.

Catalog Description

The Diagnostic Medical Imaging in Sonography (DMS) program at Danville Area Community College (DACC or the College) prepares the student for employment upon graduation as a key member of the healthcare team that performs a variety of sonographic procedures by operating complex equipment and providing skilled patient care. This rigorous program offers a wide variety of educational experiences in professional/technical coursework. In addition to classroom and laboratory sessions, students will perform three semesters of clinical rotations coordinated by the faculty of DACC and directly supervised by credentialed technologists at affiliated medical facilities. This critical component of the curriculum allows students to perform real world hands-on application of knowledge. Graduates complete 1,681 total program hours (classroom, laboratory, and clinical) which makes them eligible to take the national certification examinations in sonography administered by the American Registry of Radiologic Technologists (AART). Upon completion, students will be awarded an Associate degree in Applied Science.

Curricular Information

The curriculum requires 16 credit hours of required general education coursework, 35 credit hours of career and technical education coursework, and 16 credit hours in diagnostic medical sonography clinical practice. This excludes 12 credit hours of general education pre-requisite coursework in anatomy and physiology, and physical science. Career and technical coursework includes instruction in medical terminology, pathophysiology for sonography, patient care skills, introductory and advanced levels of diagnostic medical sonography, cross-sectional anatomy for diagnostic imaging, introductory and advanced levels of sonographic physics and instrumentation, abdominal sonography, abdominal and superficial structures sonography, obstetrics and gynecology sonography, hands-on scanning lab, legal issues of healthcare sonography, abdominal and peripheral arterial and venous sonography, cerebrovascular ultrasound, case study critiques, and three levels of diagnostic medical sonography clinical practice. The curriculum was developed according to standards outlined by the Commission on Accreditation of Allied Health Education Programs (CAAHEP)-Joint Review Committee on education in Diagnostic Medical Sonography (JRC-DMS) to prepare graduates for necessary credentialing as a Registered Diagnostic Medical Sonography (RDMS) through the American Registry of Diagnostic Medical Sonography (ARDMS) or for the national certification exam in diagnostic medical sonography through the American Registry of Radiologic Technologists (ARRT). This program focuses on the DMS abdominal and obstetrics/gynecology specialty areas. Assessment of student learning will be achieved through evaluation of the student's performance during their clinical learning experience and through a practice registration exam.

Justification for Credit hours required

Credit hours required to complete the program mirror the course content and contact hours in clinical practicum required for accreditation by the CAAHEP JRC-DMS and for students to earn credentialing through the ARDMS. The curriculum requires 12 credit hours of pre-requisite coursework in human anatomy and physiology, and physical science before beginning sonography coursework.

Accrediting Information

Danville Area Community College is accredited by the Higher Learning Commission. The program must be accredited by the Commission on Accreditation of Allied Health Education Programs-Joint Review Committee on education in Diagnostic Medical Sonography. The College will apply for accreditation once one full class of students has completed. Students are eligible to sit for the Registered Radiologic Technician (RRT) credentialing exam through the ARRT upon completion of the program. Once accredited, students may also sit for the RDMS exam through the American Registry of Diagnostic Medical Sonographers.

Diversity, Equity & Inclusion Efforts

Danville Area Community College is committed to equity strategies that involve closing gaps on who enrolls, persists, and completes programs in this field of study. The College currently utilizes multiple forms of outreach with underrepresented groups in an effort to increase enrollment, retention and graduation rates. DACC is a member of the Achieving the Dream Initiative, a project of the Lumina Foundation, which aims to assist economically disadvantaged students to achieve their educational goals. Targeted efforts include focusing on attracting, recruiting, and retaining a diverse population of students, and within Career and Technical Education (CTE) programs. DACC further provides a multitude of services for assisting students with program completion through various student support services available on campus and virtually. This includes but is not limited to academic support programs such as TRIO and the Math and Science Support Center (MASS). The College continues its efforts to hire and retain a diverse faculty, staff, and administration through Diversity, equity, and inclusion (DEI) training for search committees, advertising to diverse audiences, review of existing policies and practices, and providing access to DEI support activities throughout the year. The College will intentionally seek to expose program students to a diverse set of faculty within the classroom, employers through internships, and opportunities to hear from diverse individuals with diverse backgrounds from the various industries and employers of diagnostic medical sonographers and related healthcare professionals.

Supporting Labor Market Data (including employer partners)

Labor market information provided by the College supports the interest in a degree program in this field of study. According to the Illinois Department of Employment Security (IDES), overall growth in employment of “diagnostic medical sonographers” is expected to increase by 14.1 percent statewide through 2030. The College currently offers an accredited Certificate in Diagnostic Medical Sonography that will be discontinued once the proposed degree is approved, and the additional accreditation has been achieved.

Table 1: Employer Partners

Employers	Location
OSF Heart of Mary	Urbana, IL
OSF St. Joseph Medical Center	Bloomington, IL
Union Hospital	Terre Haute, IN
Providence Medical Group	Terre Haute, IN
OSF St. James Medical Center	Pontiac, IL
Hoopeston Regional Health Center, Carle	Hoopeston, IL
Advocate BroMenn Medical Center	Normal, IL
Memorial Medical Center	Springfield, IL
Witham Health Services	Lebanon, IL
OSF Sacred Heart	Danville, IL
Iroquois Memorial Hospital	Watseka, IL
Riverside Medical Center	Kankakee, IL
St. Mary's Hospital	Decatur, IL
Abraham Lincoln Memorial Hospital	Lincoln, IL
OSF St. Francis	Peoria, IL
St. Anthony's Memorial Hospital	Effingham, IL

Table 2: Projected Enrollments

DMS AAS degree	First Year	Second Year	Third Year
Full-Time Enrollments:	10	10	10
Part-Time Enrollments:	-	-	-
Completions:	0	8	8

Financial / Budgetary Information

Three existing full-time faculty will be necessary to implement the program. Qualified faculty will hold at least an associate degree in a related healthcare field from an accredited program; Program Director must have at least a bachelor's degree in Diagnostic Medical Sonography, both positions must hold a current RDMS credential, at least two years of work experience as a diagnostic medical sonographer, and one year teaching experience preferred. All facilities and equipment are adequately in place. Costs associated with implementation relate to faculty/administration and accreditation expenditures. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$53,000	\$0	\$0
Administrator Costs	\$85,000	0	0
Other Personnel costs	0	0	0
Equipment Costs	0	0	0
Library/LRC Costs	0	0	0
Facility Costs*	0	0	0
Other (Accreditation fees)	\$2,600	\$2,600	\$2,600
TOTAL NEW COSTS	\$140,600	\$2,600	\$2,600

Table 4: Faculty Requirements

	<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>	
	Full-time	Part-time	Full-Time	Part-time	Full-Time	Part-time
New Faculty	0	0	0	0	0	0
Existing Faculty	3	0	3	0	3	0

Proposed Program Title: Associate of Applied Science in Echocardiography

Program Purpose

The program will prepare individuals for employment as echocardiographers, technicians who perform tests and read results relating to cardiovascular health in a variety of healthcare settings.

Catalog Description

The Echocardiography program at Danville Area Community College (DACC or the College) prepares the student for employment upon graduation as a key member of the health care team that performs a variety of sonographic procedures to evaluate cardiovascular health. This rigorous program offers a wide variety of educational experiences in professional/technical coursework. In addition to classroom and laboratory sessions, students will perform three semesters of clinical rotations coordinated by DACC faculty and supervised by credentialed technologists at affiliated medical facilities. Graduates of the program will be eligible for national certification through the American Registry of Diagnostic Medical Sonographers (ARDMS) and Cardiovascular Credentialing International (CCI). Upon completion, students will be awarded an Associate degree in Applied Science.

Curricular Information

The curriculum requires 15 credit hours of required general education coursework, 28 credit hours of career and technical education coursework, and 21 credit hours in echocardiography clinical practice. In addition, the program requires completion of 16 credit hours of general education pre-requisite coursework in anatomy and physiology, mathematical foundations, and physical science. Career and technical coursework includes instruction in introductory sonography, sonographic medical terminology, sonographic physics and instrumentation, cardiovascular anatomy and physiology, electrocardiography, introductory and advanced echocardiographic procedures, and two levels of echocardiography clinical practice. The curriculum was developed according to standards outlined by the Commission on Accreditation of Allied Health Education Programs (CAAHEP)-Joint Review Committee on education in Diagnostic Medical Sonography (JRC-DMS) to prepare graduates for national certification through the American Registry of Diagnostic Medical Sonography (ARDMS) or Cardiovascular Credentialing International. This program focuses on the DMS adult cardiac specialty. Assessment of student learning will be achieved through evaluation of the student's performance during their clinical learning experience and through a practice registration exam.

Justification for Credit hours required

Credit hours required to complete the program mirror the course content and contact hours in clinical practicum required for accreditation by the CAAHEP JRC-DMS and for students to earn credentialing through the ARDMS and/or CCI. The curriculum requires 16 credit hours of pre-requisite coursework in human anatomy and physiology, mathematical foundations, and physical science before beginning echocardiography coursework.

Accrediting Information

Danville Area Community College is accredited by the Higher Learning Commission. The program must be accredited by the Commission on Accreditation of Allied Health Education Programs-Joint Review Committee on education in Diagnostic Medical Sonography. The College will apply for accreditation once one full class of students has completed. Students are eligible to sit for the Registered Radiologic Technician (RRT) credentialing exam through the ARRT upon completion of the program. Once accredited, students may also sit for the RDMS exam through the American Registry of Diagnostic Medical Sonographers.

Diversity, Equity, and Inclusion Efforts

Danville Area Community College is committed to equity strategies that involve closing gaps on who enrolls, persists, and completes programs in this field of study. The College currently utilizes multiple forms of outreach with underrepresented groups in an effort to increase enrollment, retention and graduation rates. DACC is a member of the Achieving the Dream Initiative, a project of the Lumina Foundation, which aims to assist economically disadvantaged students to achieve their educational goals. Targeted efforts include focusing on attracting, recruiting, and retaining a diverse population of students, and within Career and Technical Education (CTE) programs. DACC further provides a multitude of services for assisting students with program completion through various student support services available on campus and virtually. This includes but is not limited to academic support programs such as TRIO and the Math and Science Support Center (MASS). The College continues its efforts to hire and retain a diverse faculty, staff, and administration through Diversity, equity, and inclusion (DEI) training for search committees, advertising to diverse audiences, review of existing policies and practices, and providing access to DEI support activities throughout the year. The College will intentionally seek to expose program students to a diverse set of faculty within the classroom, employers through internships, and opportunities to hear from diverse individuals with diverse backgrounds from the various industries and employers of echocardiographers and related healthcare professionals.

Supporting Labor Market Data (including employer partners)

Labor market information provided by the College supports the interest in a degree program in this field of study. According to the Illinois Department of Employment Security (IDES), overall growth in employment of “cardiovascular technicians and echocardiographers” is expected to increase by 4 percent statewide through 2030. The College currently offers an accredited Echocardiography Certificate that will be discontinued once the proposed degree is approved, and the additional accreditation has been achieved.

Table 1: Employer Partners

Employers	Location
OSF Heart of Mary	Urbana, IL
OSF St. Joseph Medical Center	Bloomington, IL
Union Hospital	Terre Haute, IN
Providence Medical Group	Terre Haute, IN
OSF St. James Medical Center	Pontiac, IL
Hoopeston Regional Health Center, Carle	Hoopeston, IL
Advocate BroMenn Medical Center	Normal, IL
Memorial Medical Center	Springfield, IL
Witham Health Services	Lebanon, IL
OSF Sacred Heart	Danville, IL
Iroquois Memorial Hospital	Watseka, IL
Riverside Medical Center	Kankakee, IL
St. Mary's Hospital	Decatur, IL
Abraham Lincoln Memorial Hospital	Lincoln, IL
OSF St. Francis	Peoria, IL
St. Anthony's Memorial Hospital	Effingham, IL

Table 2: Projected Enrollments

Echocardiography AAS degree	First Year	Second Year	Third Year
Full-Time Enrollments:	10	10	10
Part-Time Enrollments:	0	0	0
Completions:	0	8	8

Financial / Budgetary Information

Two existing full-time faculty will be necessary to implement the program. Qualified faculty will hold at least an associate degree in a related healthcare field from an accredited program; Program Director must have at least a bachelor's degree in Diagnostic Medical Sonography, both positions must hold a current RDMS credential, at least two years of work experience as an echocardiographer, and one year teaching experience preferred. All facilities and equipment are adequately in place. New costs are associated with accreditation of the program. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$0	\$0	\$0
Administrator Costs	0	0	0
Other Personnel Costs	0	0	0
Equipment Costs	0	0	0
Library/LRC Costs	0	0	0
Facility Costs	0	0	0
Other (Accreditation fees)	\$2,600	\$2,600	\$2,600
TOTAL NEW COSTS	\$2,600	\$2,600	\$2,600

Table 4: Faculty Requirements

	<u>First Year</u>		<u>Second Year</u>		<u>Third Year</u>	
	Full-time	Part-time	Full-Time	Part-time	Full-Time	Part-time
New Faculty	0	0	0	0	0	0
Existing Faculty	2	0	2	0	2	0

Staff Conclusion

Danville Area Community College and its proposed programs meet the criteria to implement the Board of Higher Education Act (110 ILCS 205) as set forth in 23. Ill. Admin. 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, IL 60067
President: Dr. Avis Proctor

Proposed Program Title: Associate of Applied Science in Cybersecurity

Program Purpose

This program will prepare students for entry-level employment in cybersecurity roles and for advancement opportunities within the information technology field.

Catalog Description

The 60-hour technical curriculum provides a strong foundation for students to enter the growing field of cybersecurity and in various technician-level positions in the emerging fields of cybersecurity and information assurance, including information security analyst, penetration testers, and digital forensics analysts. As a part of the degree, students will have the opportunity to earn three stackable certificates.

Curricular Information

The curriculum includes 15 credit hours of required general education, and 45 credit hours of required career and technical education coursework. The career and technical component includes instruction in orientation to cybersecurity careers, information technology fundamentals, computer logic and programming, IT project management, cybersecurity programming, computer networking, Linux Server Administration, Windows Server Administration, Windows 365 Administration, cybersecurity fundamentals, Enterprise and network security, digital forensics, Cloud computing, cybersecurity governance, risk management, and compliance, ethical hacking and penetration testing, and a required cybersecurity capstone course. Graduates of the proposed curricula will be prepared for various industry credentialing including CompTIA ITF+, Network+, Linux+, Security+, Cloud+, PenTest+, Project+, Microsoft Administering Windows Server Hybrid Core Infrastructure, ISACA CISM, EC-Council CHFI, Microsoft 365 Administrator, and ISC2 SSCP certifications. Assessment of student learning for each program will be achieved through evaluation of the student's performance, including completing a comprehensive final project during the capstone course by program faculty.

Accrediting Information

Harper College is accredited by the Higher Learning Commission. No additional program accreditation is required to offer the proposed program.

Diversity, Equity, and Inclusion Efforts

Harper College is committed to equity strategies that involve closing gaps on who enrolls, persists, and completes programs in this field of study. The College currently utilizes multiple forms of outreach with underrepresented groups in an effort to increase enrollment, retention and graduation rates. Targeted efforts include focusing on attracting, recruiting, and retaining a diverse population of students, and within Career and Technical Education (CTE) programs, with a particular

focus on females and students in the district's Latinx and Black communities. Harper College further provides a multitude of services for assisting students with program completion through various student support services available on campus and virtually. The College continues its efforts to hire and retain a diverse faculty, staff, and administration through Diversity, equity, and inclusion (DEI) training for search committees, advertising to diverse audiences, review of existing policies and practices, and providing access to DEI support activities throughout the year. The College will intentionally seek to expose program students to a diverse set of faculty within the classroom, employers through internships, and opportunities to hear from diverse individuals with diverse backgrounds from the various industries and employers of cybersecurity professionals.

Supporting Labor Market Data (including employer partners)

Labor market information provided by the College supports the interest in and the need for training programs in this field of study. According to the Illinois Department of Employment Security (IDES), employment growth in occupations related to cybersecurity are expected to increase statewide between 4 to 25 percent through the year 2030. The proposed degree will provide an educational ladder opportunity for students completing the College's existing Cybersecurity Support Specialist Certificate, Cybersecurity Technical Analyst Certificate, and Cybersecurity Forensics Technician Certificate program.

Table 1: Employer Partners

Employer	Location
Vistex	Hoffman Estates, IL
Motorola	Schaumburg, IL
Crafts Technology	Elk Grove Village, IL
Gallagher	Rolling Meadows, IL
DESA Enterprises	Glen Ellyn, IL
Microsoft Corp.	Barrington, IL

Table 2: Projected Enrollments

Cybersecurity AAS degree	First Year	Second Year	Third Year
Full-Time Enrollments:	5	10	15
Part-Time Enrollments:	5	8	10
Completions:	-	6	12

Financial / Budgetary Information

The program will require one new full-time and three new part-time faculty the first year. Qualified faculty will hold at least a bachelor's degree in information technology or a closely related computer science field; at least three years work experience in the field of networking or information security; hold the necessary industry credentials to teach coursework leading towards certification; and at least one year of teaching experience is preferred. All facilities are adequately in place to support the program. The program will otherwise be supported fiscally through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$203,702	\$210,618	\$553,938
Administrator Costs	\$65,000	\$55,000	\$30,00
Other Personnel Costs	-	-	-
(Project Manager)	\$90,000	\$93,000	\$95,790
Equipment Costs	0	0	0
Library/LRC Costs	\$5,000	\$2,000	\$1,500
Facility Costs*	0	0	0
Other (specify)	0	0	0
TOTAL NEW COSTS	\$363,702	\$360,618	\$681,228

Table 4: Faculty Requirements

	First Year		Second Year		Third Year	
	Full-time	Part-time	Full-Time	Part-time	Full-Time	Part-time
New Faculty	1	3	0	0	2	1
Existing Faculty	0	0	1	3	1	5

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. Admin. Code 1050.30 and the Illinois Board of Higher Education policies pertaining to assessment and accreditation for licensure.

McHenry County College
8900 US Highway 14
Crystal Lake, IL 60012
President: Dr. Clint Gabbard

Proposed Program Title: Associate of Applied Science in Heating, Ventilation, and Air Conditioning

Program Purpose

The program will prepare individuals for entry-level employment and advancement opportunities within the heating, ventilation, and air conditioning (HVAC) field, including installation, troubleshooting, maintenance, and repair of HVAC equipment.

Catalog Description

The Heating, Ventilation, and Air Conditioning (HVAC) Program is designed to prepare HVAC technicians to meet the fast-paced high skilled demands of the HVAC industry. Students will develop a comprehensive understanding of refrigeration, electrical troubleshooting, heating, and air conditioning equipment. Training will also include installation and service of equipment and the use of state-of-the-art diagnostic equipment. Students also gain a comprehensive understanding of sheet metal layout and sheet metal fabrication. The program utilizes a hands-on approach that trains individuals to become HVAC technicians while performing the tasks expected of them out in the field. The program's service-learning approach allows students to gain real-world experiences while assisting others in the surrounding community. The training is designed for students with little or no experience and provides an excellent opportunity for people changing careers, stay current in their existing jobs, or those wishing to take individual courses. Students in the HVAC program will have the option to complete an associate in applied science degree (AAS) or earn individual certifications.

Curricular Information

The curriculum requires 15 credit hours of required general education coursework, 45 credit hours of career and technical education coursework. Career and technical coursework includes instruction in introductory refrigeration, residential heating, residential air conditioning, introductory and advanced HVAC electrical systems, residential installation, sheet metal, hydronic heating systems, commercial refrigeration, commercial heating and air conditioning, commercial servicing, and EPA Section 508 Certification. Assessment of student learning will be achieved through evaluation of a comprehensive final project by program faculty. The proposed degree provides an educational ladder opportunity for students and graduates of the college's existing nine HVAC-related Certificate programs.

Accrediting Information

McHenry County College (MCC or the College) is accredited by the Higher Learning Commission. No further program accreditation is required, however the College plans to seek optional accreditation through HVAC Excellence, which ensures the program meets industry-accepted standards of practice. Accreditation will be sought once all State-level approvals have been granted.

Diversity, Equity, and Inclusion Efforts

McHenry County College is committed to equity strategies that involve closing gaps on who enrolls, persists, and completes programs in this field of study. The College currently utilizes multiple forms of outreach with underrepresented groups in an effort to increase enrollment, retention and graduation rates. Targeted efforts include focusing on attracting, recruiting, and retaining a diverse population of students, and within Career and Technical Education (CTE) programs. MCC provides a multitude of services for assisting students with program completion through various student support services available on campus and virtually. The College continues its efforts to hire and retain a diverse faculty, staff, and administration through Diversity, equity, and inclusion (DEI) training for search committees, advertising to diverse audiences, review of existing policies and practices, and providing access to DEI support activities throughout the year. The College recently hired an Associate Vice President of DEI to oversee the consistent management of related programs and services to students, faculty, and administration. The College will intentionally seek to expose program students to a diverse set of faculty within the classroom, employers through internships, and opportunities to hear from diverse individuals with diverse backgrounds from the various industries and employers of HVAC technology professionals.

Supporting Labor Market Data (including employer partners)

Labor market information provided by the College supports the interest in a degree program in this field of study. According to the Illinois Department of Employment Security (IDES), overall growth in employment of related occupations is expected to increase between 2.3 to 9.5 percent statewide through 2030.

Table 1: Employer Partners

Employer	Location
Woodstock Heating and Cooling	Woodstock, IL
Jensen's Plumbing & Heating, Inc.	Woodstock, IL
Comfort Air Heating & Cooling, Inc.	Wonder Lake, IL
C & C Heating & Air Conditioning	Wonder Lake, IL
Loud Brothers Heating & Cooling, Inc.	McHenry, IL
American Comfort Central	McHenry, IL
Black Diamond Plumbing & Mechanical	McHenry, IL
McHenry Heating & Air Conditioning	McHenry, IL
Arctic Heating & Cooling	Crystal Lake, IL
Algonquin Heating & Cooling	Algonquin, IL
Epp's Custom Heating & Air	Fox River Grove, IL
Master Tech Heating & Air Conditioning	Fox River Grove, IL
V.M. O'Leary Sheet Metal & Heating	Cary, IL
ABC Plumbing+Sewer+Heating+Cooling	Arlington Heights, IL
Elgin Sheet Metal	South Elgin, IL

Table 2: Projected Enrollments

HVAC AAS degree	First Year	Second Year	Third Year
Full-Time Enrollments:	20	25	30
Part-Time Enrollments:	15	20	25
Completions:	0	10	15

Financial / Budgetary Information

One existing full-time faculty and six (6) part-time faculty will be necessary to implement the program. Qualified faculty will hold at least a bachelor's degree in Horticulture, at least one year of work experience in the horticulture field, and one year teaching experience preferred. All facilities and equipment are adequately in place. New costs are associated with hiring faculty for the program. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$0	\$5,000	\$115,000
Administrator Costs	0	0	0
Other Personnel Costs	0	0	0
Equipment Costs	0	0	0
Library/LRC Costs	0	0	0
Facility Costs*	0	0	0
Other (specify)	0	0	0
TOTAL NEW COSTS	\$0	\$5,000	\$115,000

Table 4: Faculty Requirements

	First Year		Second Year		Third Year	
	Full-time	Part-time	Full-Time	Part-time	Full-Time	Part-time
New Faculty	0	0	0	1	1	0
Existing Faculty	1	6	1	6	1	7

Proposed Program Title: Associate of Applied Science in Horticulture

Program Purpose

The program will prepare individuals for entry-level employment and advancement opportunities within the field of horticulture including greenhouse production, landscape management, and small crop/food production.

Catalog Description

The Associate of Applied Science (AAS) in Horticulture program is comprehensive and career-focused, providing students with a strong foundation in the diverse field of horticulture. This two-year program covers a wide range of horticultural topics, including plant science, soil science, plant materials, plant production, fruit and vegetable production, pest, and disease management. With a blend of classroom learning and hands-on experiences, students will gain the practical skills

and in-depth knowledge necessary to excel in their careers. The program prepares graduates for a wide range of career opportunities in horticulture including greenhouse production, landscape management, and small crop/food production.

Curricular Information

The curriculum requires 16 credit hours of required general education coursework, 28 credit hours of career and technical education coursework, and 16 credit hours in related technical electives. Career and technical coursework includes instruction in introduction to horticulture, soil science, woody and herbaceous plants, fruit and vegetable crops, plant problem diagnosis and management, greenhouse management, horticultural mechanics, introduction to entrepreneurship, and electives that allow a student to focus their coursework in landscape management, arboriculture, floral design, and specialty agriculture including hydroponics. Assessment of student learning will be achieved through evaluation of a comprehensive final project by program faculty. The proposed degree provides an educational ladder opportunity for students and graduates of the College's existing Horticulture Basics, Advanced Horticulture, and Floral Design Certificate programs.

Accrediting Information

McHenry County College (MCC or the College) is accredited by the Higher Learning Commission. No further program accreditation is required.

Diversity, Equity, and Inclusion Efforts

McHenry County College is committed to equity strategies that involve closing gaps on who enrolls, persists, and completes programs in this field of study. The College currently utilizes multiple forms of outreach with underrepresented groups in an effort to increase enrollment, retention and graduation rates. Targeted efforts include focusing on attracting, recruiting, and retaining a diverse population of students, and within Career and Technical Education (CTE) programs. MCC provides a multitude of services for assisting students with program completion through various student support services available on campus and virtually. The College continues its efforts to hire and retain a diverse faculty, staff, and administration through Diversity, equity, and inclusion (DEI) training for search committees, advertising to diverse audiences, review of existing policies and practices, and providing access to DEI support activities throughout the year. The College recently hired an Associate Vice President of DEI to oversee the consistent management of related programs and services to students, faculty, and administration. The College will intentionally seek to expose program students to a diverse set of faculty within the classroom, employers through internships, and opportunities to hear from diverse individuals with diverse backgrounds from the various industries and employers of horticulture and related professionals.

Supporting Labor Market Data (including employer partners)

Labor market information provided by the College supports the interest in a degree program in this field of study. According to the Illinois Department of Employment Security (IDES), overall growth in employment of related occupations is expected to increase between 2.3 to 7.6 percent statewide through 2030. The College currently offers a related Horticulture Basics, Advanced Horticulture, and Floral Design Certificates.

Table 1: Employer Partners

Employer	Location
Countryside Flower Shop, Nursery & Greenhouse	Crystal Lake, IL
Crystal Lake Park District	Crystal Lake, IL
Piscasaw Gardens	Harvard, IL
Broadview Farms	Marengo, IL
Ball Seed	West Chicago, IL
Conserv FS	Woodstock, IL

Table 2: Projected Enrollments

Horticulture AAS degree	First Year	Second Year	Third Year
Full-Time Enrollments:	10	22	32
Part-Time Enrollments:	5	12	16
Completions:	0	6	15

Financial / Budgetary Information

One existing full-time faculty and six part-time faculty will be necessary to implement the program. Qualified faculty will hold at least a bachelor's degree in Horticulture, at least one year of work experience in the horticulture field, and one year teaching experience preferred. All facilities and equipment are adequately in place. New costs are associated with hiring faculty for the program. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$0	\$5,000	\$115,000
Administrator Costs	0	0	0
Other Personnel Costs	0	0	0
Equipment Costs	0	0	0
Library/LRC Costs	0	0	0
Facility Costs*	0	0	0
Other (specify)	0	0	0
TOTAL NEW COSTS	\$0	\$5,000	\$115,000

Table 4: Faculty Requirements

	First Year		Second Year		Third Year	
	Full-time	Part-time	Full-Time	Part-time	Full-Time	Part-time
New Faculty	0	0	0	1	1	0
Existing Faculty	1	6	1	6	1	7

Proposed Program Title: Associate of Applied Science in Software Application Design and Development

Program Purpose

These programs will prepare students for entry-level employment in software and web development application roles and for advancement opportunities within the information technology field.

Catalog Description

The Associate of Applied Science (AAS) degree program offers a comprehensive exploration of software design and development. The curriculum encompasses both front-end and back-end aspects, combining programming and database fundamentals and UI/UX design. Graduates will possess the skills to develop software solutions for web and mobile platforms and will be prepared to undertake entry-level roles in programming.

Curricular Information

The curriculum includes 15 credit hours of required general education, 27 credit hours of required career and technical education coursework, six credit hours of work-based learning, and 12 credit hours of related technical electives. The career and technical component includes instruction in programming logic, database fundamentals, user interface and experience, fundamentals of web development, application design, Amazon Web Services (AWS), PHP and MySQL, JavaScript programming, application development in JavaScript, computer ethics, and a required field capstone project/internship course. Technical electives allow the student to choose from specific vendor application design and development such as programming for iOS, Android, Python and content management systems.

Graduates of the proposed curriculum will be prepared for optional industry credentialing in web development, iOS development, Android development, and Python development. Assessment of student learning will be achieved through evaluation of the student's performance during the capstone project/internship by program faculty or worksite supervisor.

Accrediting Information

McHenry County College (MCC or the College) is accredited by the Higher Learning Commission. No further program accreditation is required.

Diversity, Equity, and Inclusion Efforts

McHenry County College is committed to equity strategies that involve closing gaps on who enrolls, persists, and completes programs in this field of study. The College currently utilizes multiple forms of outreach with underrepresented groups in an effort to increase enrollment, retention and graduation rates. Targeted efforts include focusing on attracting, recruiting, and retaining a diverse population of students, and within Career and Technical Education (CTE) programs. MCC provides a multitude of services for assisting students with program completion through various student support services available on campus and virtually. The College continues its efforts to hire and retain a diverse faculty, staff, and administration through Diversity, equity, and inclusion (DEI)

training for search committees, advertising to diverse audiences, review of existing policies and practices, and providing access to DEI support activities throughout the year. The College recently hired an Associate Vice President of DEI to oversee the consistent management of related programs and services to students, faculty, and administration. The College will intentionally seek to expose program students to a diverse set of faculty within the classroom, employers through internships, and opportunities to hear from diverse individuals with diverse backgrounds from the various industries and employers of software and web application design/development professionals.

Supporting Labor Market Data (including employer partners)

Labor market information provided by the College supports the interest in and the need for training programs in this field of study. According to the Illinois Department of Employment Security (IDES), employment growth in occupations related to software application and web development are expected to increase statewide by approximately 17 percent through the year 2030. The proposed degree program will provide an educational ladder opportunity for students completing the College's proposed Web Development Certificate program, and existing related certificates in iOS, Android, Python, Front-End, and Back-End Development.

Table 1: Employer Partners

Employer	Location
Apple	Chicago, IL
Chamberlain Group	Oakbrook, IL
Spot Insurance	Austin, TX
Dow, Inc.	Elk Grove Village, IL
Scot Forge	Crystal Lake, IL
Reply, Inc.	Chicago, IL

Table 2: Projected Enrollments

Software Design & Dev AAS degree	First Year	Second Year	Third Year
Full-Time Enrollments:	10	10	15
Part-Time Enrollments:	5	8	10
Completions:	0	6	12

Financial / Budgetary Information

The program will require two existing full-time faculty, three existing part-time faculty, and three new part-time faculty the first year. Qualified faculty will hold at least a bachelor's degree in information technology or a closely related computer science field; at least one year of work experience in the field of software design and development; and at least one year of teaching experience is preferred. All facilities are adequately in place to support the program. The program will otherwise be supported fiscally through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$13,200	\$8,800	\$8,800
Administrator Costs	0	0	
Other Personnel Costs	0	0	0
Equipment Costs	0	0	0
Library/LRC Costs	0	0	0
Facility Costs*	0	0	0
Other (specify)	0	0	0
TOTAL NEW COSTS	\$13,200	\$8,800	\$8,800

Table 4: Faculty Requirements

	First Year		Second Year		Third Year	
	Full-time	Part-time	Full-Time	Part-time	Full-Time	Part-time
New Faculty	0	3	0	2	1	1
Existing Faculty	2	3	2	6	2	8

Proposed Program Title: Associate of Applied Science in Welding and Fabrication

Program Purpose

The program will prepare individuals for entry-level employment and advancement opportunities in the welding and metal working industry.

Catalog Description

Earning an Associate of Applied Science (AAS) degree in Welding and Fabrication prepares students for a variety of jobs in the welding and metal working industry. Graduates are prepared for careers in areas such as production welding, equipment manufacturing, general fabrication, construction, or custom fabrication. Students will develop industry level skills in SMAW, GMAW, FCAW, and GTAW welding. These welding skills will be coupled with courses in print reading, fabrication techniques, machine tool operation, metal forming and the construction of assemblies, giving students many different avenues in the welding and fabrication industry. The degree allows students to become eligible for specialized welding certifications through the American Welding Society (AWS).

Curricular Information

The curriculum requires 15 credit hours of required general education coursework and 45 credit hours of career and technical education coursework. Career and technical coursework includes instruction in blueprint reading for manufacturing, manual machining, metrology for quality, electrical, introductory and advanced levels of steel fabrication, parametric modeling solidworks, CAD graphics, MasterCAM, gas metal arc welding (GMAW), gas tungsten arc welding (GTAW) ferrous and non-ferrous, flux cored arc welding (FCAW), and a required welding and/or fabrication capstone. The program was developed according to School for Excellence in Welding Education (SENSE) guidelines and will prepare graduates for American Welding Society (AWS) credentialing. Assessment of student learning will be achieved through evaluation of a

comprehensive final project by program faculty. The proposed degree provides an educational ladder opportunity for students and graduates of the College's existing five welding-related Certificate programs.

Accrediting Information

McHenry County College (MCC or the College) is accredited by the Higher Learning Commission. No further program accreditation is required.

Diversity, Equity, and Inclusion Efforts

McHenry County College is committed to equity strategies that involve closing gaps on who enrolls, persists, and completes programs in this field of study. The College currently utilizes multiple forms of outreach with underrepresented groups in an effort to increase enrollment, retention and graduation rates. Targeted efforts include focusing on attracting, recruiting, and retaining a diverse population of students, and within Career and Technical Education (CTE) programs. MCC provides a multitude of services for assisting students with program completion through various student support services available on campus and virtually. The College continues its efforts to hire and retain a diverse faculty, staff, and administration through Diversity, equity, and inclusion (DEI) training for search committees, advertising to diverse audiences, review of existing policies and practices, and providing access to DEI support activities throughout the year. The College recently hired an Associate Vice President of DEI to oversee the consistent management of related programs and services to students, faculty, and administration. The College will intentionally seek to expose program students to a diverse set of faculty within the classroom, employers through internships, and opportunities to hear from diverse individuals with diverse backgrounds from the various industries and employers of welding and fabrication professionals.

Supporting Labor Market Data (including employer partners)

Labor market information provided by the College supports the interest in a degree program in this field of study. According to the Illinois Department of Employment Security (IDES), overall growth in employment of related occupations is expected to increase between 1 to 9.5 percent statewide through 2030.

Table 1: Employer Partners

Employer	Location
General Kinematics	Crystal Lake, IL
TC Industries	Crystal Lake, IL
Miller Formless	McHenry, IL
Scot Forge	Spring Grove, IL
Lindsay Metal Madness	Woodstock, IL
A&A Magnetics	Woodstock, IL
Werner Co.	Crystal Lake, IL
LDI Industries	Huntley, IL
Mathews Company	Crystal Lake, IL
Logisnext	Marengo, IL

Table 2: Projected Enrollments

Welding & Fabrication AAS degree	First Year	Second Year	Third Year
Full-Time Enrollments:	20	25	30
Part-Time Enrollments:	15	20	25
Completions:	0	10	15

Financial / Budgetary Information

One existing full-time and two existing part-time faculty will be necessary to implement the program. Qualified faculty will hold at least a bachelor's degree in horticulture, at least one year of work experience in the horticulture field, and one year teaching experience preferred. New costs are associated with hiring faculty, acquiring equipment, and supplies for the program. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$0	\$300,00	\$340,00
Administrator Costs	0	0	0
Other Personnel Costs	0	0	0
Equipment Costs	\$538,768	\$25,000	\$25,000
Library/LRC Costs	0	0	0
Facility Costs*	0	0	0
Other (Consumables)	\$22,000	\$28,000	\$34,000
TOTAL NEW COSTS	\$560,768	\$353,000	\$399,000

Table 4: Faculty Requirements

	First Year		Second Year		Third Year	
	Full-time	Part-time	Full-Time	Part-time	Full-Time	Part-time
New Faculty	0	0	1	2	0	2
Existing Faculty	1	2	1	2	2	4

Staff Conclusion

McHenry County College and its proposed programs meet the criteria to implement the Board of Higher Education Act (110 ILCS 205) as set forth in 23. Ill. Admin. 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, IL 60465-2478
President: Dr. Pamela Haney

Proposed Program Title: Associate of Applied Science in Diagnostic Medical Sonography

Program Purpose

The program will prepare individuals for employment as registered diagnostic medical sonographers in a variety of healthcare settings.

Catalog Description

This program prepares graduates for professional careers in the profession of Diagnostic Medical Sonography. Graduates are eligible for employment in hospitals, clinics, and physicians' offices. The program includes instruction in sonographic technique, theory, patient positioning for diagnostic procedures, and progressive clinical experience. Graduates complete the necessary classroom, laboratory, and clinical hours to make them eligible for the American Registry of Radiologic Technologists (AART) national certification exams.

Curricular Information

The curriculum requires 16 credit hours of required general education coursework, 36 credit hours of career and technical education coursework, and 10 credit hours in diagnostic medical sonography clinical practice. This excludes nine credit hours of general education pre-requisite coursework in anatomy and physiology, and mathematics, as well as three credit hours in medical terminology. Career and technical coursework includes instruction in medical terminology, fundamentals of vascular sonography, imaging and cross-sectional anatomy, fundamentals of ultrasound technology, introductory and advanced abdominal sonography, introductory and advanced obstetric/gynecological sonography, introductory and advanced instrumentation, sonography applications, legal and ethical procedures, and four levels of diagnostic medical sonography clinical practice. The curriculum was developed according to standards developed by the Commission on Accreditation of Allied Health Education Programs (CAAHEP)-Joint Review Committee on education in Diagnostic Medical Sonography (JRC-DMS) to prepare graduates for necessary credentialing as a Registered Diagnostic Medical Sonography (RDMS) through the American Registry of Diagnostic Medical Sonography (ARDMS) or for the national certification exam in diagnostic medical sonography through the American Registry of Radiologic Technologists (ARRT). Assessment of student learning will be achieved through evaluation of the student's performance during their clinical learning experience and through a practice registration exam.

Justification for Credit hours required for the degree

Credit hours required to complete the program mirror the course content and contact hours in clinical practicum required for accreditation by the CAAHEP JRC-DMS and for students to earn credentialing through the ARDMS. The curriculum requires nine credit hours of pre-requisite coursework in human anatomy and physiology, mathematics, and medical terminology before beginning sonography coursework.

Accrediting Information

Moraine Valley Community College (MVCC or the College) is accredited by the Higher Learning Commission. The program must be accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP)-Joint Review Committee on education in Diagnostic Medical Sonography (JRC-DMS). The College will apply for accreditation once one full class of students has completed. Students are eligible to sit for the Registered Radiologic Technician (RRT) credentialing exam through the ARRT (American Registry of Radiologic Technologists) upon completion of the program. Once accredited, students may also sit for the RDMS (Registered Diagnostic Medical Sonography) exam through the American Registry of Diagnostic Medical Sonographers (ARDMS).

Diversity, Equity, and Inclusion Efforts

Moraine Valley Community College is committed to equity strategies that involve closing gaps on who enrolls, persists, and completes programs in this field of study. MVCC continues to participate in the Illinois Equity in Attainment Initiative which aims to close equity gaps in higher education. The College currently utilizes multiple forms of outreach with underrepresented groups to increase enrollment, retention, and graduation rates. Targeted efforts include focusing on attracting, recruiting, and retaining a diverse population of students, and within Career and Technical Education (CTE) programs. MVCC further provides a multitude of services for assisting students with program completion through various student support services available on campus and virtually. This includes but is not limited to academic support services such as the TRIO program, the Student Success Center, Multicultural Student Affairs Center, and the English Language Learners Center. The College continues its efforts to hire and retain a diverse faculty, staff, and administration through Diversity, equity, and inclusion (DEI) training for search committees, advertising to diverse audiences, review of existing policies and practices, and providing access to DEI support activities throughout the year. The College will intentionally seek to expose program students to a diverse set of faculty within the classroom, employers through internships, and opportunities to hear from diverse individuals with diverse backgrounds from the various industries and employers of diagnostic medical sonographers and related healthcare professionals.

Supporting Labor Market Data (including employer partners)

Labor market information provided by the College supports the interest in a degree program in this field of study. According to the Illinois Department of Employment Security (IDES), overall growth in employment of “diagnostic medical sonographers” is expected to increase by 14.1 percent statewide through 2030.

Table 1: Employer Partners

Employer	Location
OSF Little Company of Mary	Evergreen Park, IL
Northwestern Medicine	Palos Hills, IL

Table 2: Projected Enrollments

DMS AAS degree	First Year	Second Year	Third Year
Full-Time Enrollments:	10	10	10
Part-Time Enrollments:	0	0	0
Completions:	0	8	8

Financial / Budgetary Information

One new full-time faculty will be necessary to implement the program with two additional full-time, and one additional part-time faculty added during years two and three. Qualified faculty will hold at least an associate degree in a related healthcare field from an accredited program; Program Director must have at least a bachelor's degree in diagnostic medical sonography, both positions must hold a current RDMS credential, at least two years of work experience as a diagnostic medical sonographer, and one year teaching experience preferred. All facilities and equipment are adequately in place. Costs associated with implementation relate to hiring new faculty and equipment expenditures. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$70,000	\$140,000	\$170,000
Administrator Costs	0	0	0
Other Personnel Costs	0	0	0
Equipment Costs	\$460,000	0	0
Library/LRC Costs	0	0	0
Facility Costs*	0	0	0
Other (specify)	0	0	0
TOTAL NEW COSTS	\$530,000	\$140,000	\$170,000

Table 4: Faculty Requirements

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

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. Admin. Code 1050.30 and the Illinois Board of Higher Education policies pertaining to assessment and accreditation for licensure.

Sauk Valley Community College
173 IL Route 2
Dixon, IL 61021
President: Dr. Dave Hellmich

Proposed Program Title: Associate of Applied Science in Diagnostic Medical Sonography

Program Purpose

The program will prepare individuals for employment as registered diagnostic medical sonographers in a variety of healthcare settings.

Catalog Description

The Diagnostic Medical Imaging in Sonography (DMS) Associate Degree Program provides students with didactic, laboratory, and clinical education/experience in preparation for a health career as a Diagnostic Medical Imaging Sonographer. The graduate will demonstrate competency to meet registry requirements, deliver compassionate patient care, and function as an integral member of the healthcare team with competence and confidence. Program policies and procedures have been designed to meet or exceed those established by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) upon recommendation by the Joint Review Committee on Education in Diagnostic Medical Sonography (JRC-DMS).

Curricular Information

The curriculum requires 22 credit hours of required general education coursework, 42 credit hours of career and technical education coursework, and 13 credit hours in diagnostic medical sonography clinical practice. This includes 16 credit hours of general education pre-requisite coursework, and four credit hours of pre-requisite coursework in medical terminology and introductory pathophysiology students must complete before starting their sonography coursework. Career and technical coursework includes instruction in medical terminology, pathophysiology for sonography, patient care skills, introductory and advanced levels of diagnostic medical sonography, cross-sectional anatomy for diagnostic imaging, introductory and advanced levels of sonographic physics and instrumentation, abdominal sonography, abdominal and superficial structures sonography, obstetrics and gynecology sonography, hands-on scanning lab, legal issues of healthcare sonography, abdominal and peripheral arterial and venous sonography, cerebrovascular ultrasound, case study critiques, and four levels of diagnostic medical sonography clinical practice. The curriculum was developed according to standards developed by CAAHEP-JRC-DMS to prepare graduates for necessary credentialing as a Registered Diagnostic Medical Sonography (RDMS) through the American Registry of Diagnostic Medical Sonography (ARDMS) or for the national certification exam in diagnostic medical sonography through the American Registry of Radiologic Technologists (ARRT).

Assessment of student learning will be achieved through evaluation of the student's performance during their clinical learning experience and through a practice registration exam.

Justification for Credit hours required for the degree

Credit hours required to complete the program mirror the course content and contact hours in clinical practicum required for accreditation by the CAAHEP JRC-DMS and for students to earn credentialing through the ARDMS. The curriculum includes 20 credit hours of pre-requisite coursework in human anatomy and physiology, mathematics and foundations in physics, medical terminology and introductory pathophysiology required before beginning sonography coursework.

Accrediting Information

Sauk Valley Community College is accredited by the Higher Learning Commission. The program must be accredited by CAAHEP-JRC-DMS. The college will apply for accreditation once one full class of students has completed. Students are eligible to sit for the Registered Radiologic Technician (RRT) credentialing exam through the American Registry of Radiologic Technologists upon completion of the program. Once accredited, students may also sit for the Registered Diagnostic Medical Sonography exam through the American Registry of Diagnostic Medical Sonographers.

Diversity, Equity, and Inclusion Efforts

Sauk Valley Community College is committed to equity strategies that involve closing gaps on who enrolls, persists, and completes programs in this field of study. The College currently utilizes multiple forms of outreach with underrepresented groups to increase enrollment, retention, and graduation rates. Targeted efforts include focusing on attracting, recruiting, and retaining a diverse population of students, and within Career and Technical Education (CTE) programs. SVCC further provides a multitude of services for assisting students with program completion through various student support services available on campus and virtually. This includes but is not limited to academic support services such as the TRIO program and the Student Success Center. The College continues its efforts to hire and retain a diverse faculty, staff, and administration through Diversity, equity, and inclusion (DEI) training for search committees, advertising to diverse audiences, review of existing policies and practices, and providing access to DEI support activities throughout the year. The College will intentionally seek to expose program students to a diverse set of faculty within the classroom, employers through internships, and opportunities to hear from diverse individuals with diverse backgrounds from the various industries and employers of diagnostic medical sonographers and related healthcare professionals.

Supporting Labor Market Data (including employer partners)

Labor market information provided by the College supports the interest in a degree program in this field of study. According to the Illinois Department of Employment Security (IDES), overall growth in employment of “diagnostic medical sonographers” is expected to increase by 14.1 percent statewide through 2030.

Table 1: Employer Partners

Employer	Location
KSB Hospital	Dixon, IL
CGH Hospital	Sterling, IL
Morrison Community Hospital	Morrison, IL
OSF Healthcare-On Call Imaging Center	Rock Falls, IL

Table 2: Projected Enrollments

DMS AAS degree	First Year	Second Year	Third Year
Full-Time Enrollments:	10	10	15
Part-Time Enrollments:	0	0	0
Completions:	8	10	10

Financial / Budgetary Information

One new full-time and two new part-time faculty will be necessary to implement the program. Qualified faculty will hold at least an associate degree in a related healthcare field from an accredited program; Program Director must have at least a bachelor's degree in diagnostic medical sonography, both positions must hold a current RDMS credential, at least two years of work experience as a diagnostic medical sonographer, and one year teaching experience preferred. All facilities are adequately in place. Costs associated with implementation relate to hiring qualified faculty and equipment expenditures. The program will otherwise be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$80,000	\$80,000	\$80,000
Administrator Costs	0	0	0
Other Personnel Costs	0	0	0
Equipment Costs	\$400,000	0	0
Library/LRC Costs	0	0	0
Facility Costs*	0	0	0
Other (specify)	0	0	0
TOTAL NEW COSTS	\$480,000	\$80,000	\$80,000

Table 4: Faculty Requirements

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

Staff Conclusion

Sauk 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. Admin. Code 1050.30 and the Illinois Board of Higher Education policies pertaining to assessment and accreditation for licensure.