

**APPROVED**  
**MARCH 9, 2021**

Item #C-1  
March 9, 2021

**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 13 community colleges.

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

- Black Hawk College
  - Associate of Applied Science in Court Reporting Technology
  
- City Colleges of Chicago
  - Kennedy King College
  - Harold Washington College
  - Malcolm X College
  - Harry S. Truman College
  - Olive-Harvey College
  - Richard J. Daley College
  - Wilbur Wright College
    - Associate of Applied Science in Software Development
  
- Heartland Community College
  - Associate of Applied Science in Agriculture
  
- John A. Logan Community College
  - Associate of Applied Science in Surgical Technology
  
- Lake Land College
  - Associate of Applied Science in Fire Science Management
  
- Parkland College
  - Associate of Applied Science in Aviation Flight Technology
  
- Shawnee Community College
  - Associate of Applied Science in Surgical Technology



STATE OF ILLINOIS  
BOARD OF HIGHER EDUCATION

**NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES**

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

**Executive Summary**

Black Hawk College

- Associate of Applied Science in Court Reporting Technology

Black Hawk College is seeking approval for a 60-credit hour Associate of Applied Science in Court Reporting Technology. The degree program requires 15 credit hours of general education coursework and 45 credit hours of required career and technical education coursework. This degree program was designed to provide knowledge and skills needed for careers as professional judicial reporters, broadcast captioners, and computer aided real-time transcriptionists. Graduates will be prepared to transcribe and create complete and accurate legal records through internship opportunities. Students who complete the program will be prepared for Illinois Certified Shorthand Recorder (CSR) licensing exam through the Illinois Department of Financial and Professional Regulation, and the national Registered Professional Reporter credentialing exam through the National Court Reporting Association (NCRA). 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.

City Colleges of Chicago

Kennedy King College  
Harold Washington College  
Malcolm X College  
Harry S. Truman College  
Olive-Harvey College  
Richard J. Daley College  
Wilbur Wright College

- Associate of Applied Science in Software Development

The City Colleges of Chicago are seeking approval for a 62-credit hour Associate of Applied Science in Software Development. The degree program requires 17 credit hours of general education coursework, nine credit hours of electives, and 36 credit hours of career and technical education coursework. The curriculum focuses on developing expertise in at least one programming language, obtaining hands-on experience in the analysis, design, implementation, and maintenance of software applications using those languages. Graduates will be prepared to enter the workforce as entry-level programmers. 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.

#### Heartland Community College

- Associate of Applied Science in Agriculture

Heartland Community College is seeking approval for a 60-credit hour Associate of Applied Science in Agriculture. The degree program requires 15 credit hours of general education coursework and 45 credit hours of career and technical education coursework. This program is designed to give students a broad overview of the agriculture field, with an emphasis on regenerative agriculture. Students will combine general education and agriculture core classes with hands-on experience from one of three specialized occupational areas in Agriculture Business, Agronomy, or Precision Agriculture to further their skills and knowledge in their preferred career pathway. Graduates will be prepared for entry-level employment in agriculture-related positions including those in agribusiness, agriculture production, agriculture sales of products and agricultural services, and chemical application. 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.

#### John A. Logan Community College

- Associate of Applied Science in Surgical Technology

John A. Logan Community College is seeking approval for a 62.5-credit hour Associate of Applied Science in Surgical Technology. The degree program requires 18 credit hours of general education coursework and 44.5 credit hours of career and technical education coursework. This program is designed to provide students with the knowledge, skills, and attitudes necessary to practice as certified surgical technologists. Graduates will be prepared to enter the workforce as scrub surgical technologists and circulating surgical technologists in hospitals, surgical centers, clinics, and physicians' offices. Graduates of the accredited Surgical Technology program will be eligible to sit for the National Certifying Exam for Surgical Technologists. 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.

#### Lake Land College

- Associate of Applied Science in Fire Science Management

Lake Land College is seeking approval for a 60-credit hour Associate of Applied Science in Fire Science Management. The degree program requires 16 credit hours of general education coursework and 44 credit hours of career and technical education coursework. This degree program was designed to provide knowledge and skills needed for careers in the field of fire science management. Graduates will be prepared for work as firefighters with the skills and knowledge necessary to attain entry- and advanced-level certifications allowing for promotional opportunities within fire departments. 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.

#### Parkland College

- Associate of Applied Science in Aviation Flight Technology

Parkland College is seeking approval for a 61-credit hour Associate of Applied Science in Aviation Flight Technology. The degree program requires 15 credit hours of general education coursework and 46 credit hours of career and technical education coursework. This degree program was designed to provide knowledge and skills required for earning a professional pilot's license, or an Unmanned Aircraft System (UAS) license. Graduates, upon the completion of the degree program, and with the appropriate Federal Aviation Administration (FAA) flight time requirements, may enter the workforce as commercial pilots and/or UAS pilots. 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 F.

#### Shawnee Community College

- Associate of Applied Science in Surgical Technology

Shawnee Community College is seeking approval for a 62.5-credit hour Associate of Applied Science in Surgical Technology. The degree program requires 18 credit hours of general education coursework and 44.5 credit hours of career and technical education coursework. This program is designed to provide students with the knowledge, skills, and attitudes necessary to practice as certified surgical technologists. Graduates will be prepared for jobs as scrub surgical technologists and circulating surgical technologists in hospitals, surgical centers, clinics, and

physicians' offices. Graduates of the accredited Surgical Technology program will be eligible to sit for the National Certifying Exam for Surgical Technologists. 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 G.

The staff recommends adoption of the following resolutions:

*The Illinois Board of Higher Education hereby grants authority to Black Hawk College to offer the Associate of Applied Science in Court Reporting 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 the City Colleges of Chicago: Kennedy King College; Harvey Washington College; Malcolm X College; Harry S. Truman College; Oliver-Harvey College; Richard J. Daley College; and Wilbur Wright College to offer the Associate of Applied Science in Software 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 the Heartland Community College to offer the Associate of Applied Science in Agriculture subject to the institution's implementation and maintenance of the conditions that were presented in its application and that form the basis upon which this authorization is granted.*

*The Illinois Board of Higher Education hereby grants authority to John A. Logan Community College to offer the Associate of Applied Science in Surgical 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 Lake Land College to offer the Associate of Applied Science in Fire Science Management subject to the institution's implementation and maintenance of the conditions that were presented in its application and that form the basis upon which this authorization is granted.*

*The Illinois Board of Higher Education hereby grants authority to Parkland College to offer the Associate of Applied Science in Aviation Flight 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 Shawnee Community College to offer the Associate of Applied Science in Surgical 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.*

**Black Hawk College**  
**6600 34th Avenue**  
**Moline, Illinois 61265**  
**President: Mr. Tim Wynes**

**Proposed Program Title:** Associate of Applied Science in Court Reporting Technology (60 credit hours)

### **Program Purpose**

The program will prepare individuals for entry-level employment as court reporters, captioners, and real-time transcriptionists in official or freelance settings.

### **Catalog Description**

The Associate of Applied Science (AAS) in Court Reporting Technology prepares individuals for successful careers as professional judicial reporters, broadcast captioners, and computer aided real-time transcriptionists. Broadcast captioning displays the audio portion of a television program as text on the television screen, providing a critical link to news, entertainment, and information for individuals who are deaf or hard-of-hearing. Computer Aided Realtime Transcription (CART) is a method to provide access to spoken communication for people who are deaf, hard-of-hearing, or who have certain cognitive or learning impairments. Graduates will be prepared to transcribe and create complete and accurate legal records. Court reporting degree-seeking students obtain experience with real-time reporting techniques and technology during their core courses through a supervised internship before graduation. At the completion of the program, students are eligible to sit for the Illinois Certified Shorthand Reporter (CSR) and the national Registered Professional Reporter (RSR) exams.

### **Curricular Information**

The AAS in Court Reporting Technology requires 15 credit hours of general education coursework and 45 credit hours of required career and technical education coursework. Career and technical coursework includes instruction in court reporting theory, introductory speed theory, speed building levels I-VI, court reporting punctuation and proofreading, court reporting technology, computer-aided transcription (CAT), legal and medical terminology, courtroom procedures, and a required work-based learning experience in court reporting. Students who complete the program will be eligible to sit for the Illinois CSR licensing exam through the Illinois Department of Financial and Professional Regulation, and the national Registered Professional Reporter credentialing exam through the National Court Reporting Association (NCRA). Assessment of student learning will be achieved through evaluation of the student's performance during the work-based learning experience by program faculty and work-site supervisor, in addition to comprehensive assessment of skills and technique.

### **Accrediting Information**

The Black Hawk College (the College) is accredited by the Higher Learning Commission. The curriculum was designed in accordance with NCRA guidelines. In addition, the program meets the General Requirements and Minimum Standards (GRMS) established by the Council on Approved Student Education (CASE) of NCRA for real-time reporter education.



## Supporting Labor Market Data (including employer partners)

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 in court reporting occupations is expected to increase by three percent statewide through 2026. Currently, there are only two existing programs at community colleges in Illinois: Lake Land College and South Suburban College.

Table 1: Employer Partners

Employers	Location
14th Circuit Court	Cambridge, IL
Court Reporting Services (Rock Island, Whiteside, Henry, and Mercer Counties)	Rock Island, IL

Table 2: Projected Enrollments

Court Reporting Tech AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	8	10	12
Part-Time Enrollments:	4	6	8
Completions:	9	12	17

## Financial / Budgetary Information

One existing full-time and four existing part-time faculty will be required to implement the program. Qualified teaching faculty will hold at least an associate degree in Court Reporting Technology, a current RPR credential, have at least one-year occupational experience in the field, and one year of teaching experience preferred. The program will utilize all existing facilities during the first three years of operation with some purchases of equipment planned during year one. The program will be fiscally supported through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$12,600	\$16,200	\$3,600
Administrator Costs	-	-	-
Other Personnel Costs	-	-	-
Equipment Costs	\$3,500	-	-
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other	-	-	-
<b>TOTAL NEW COSTS</b>	<b>\$16,100</b>	<b>\$16,200</b>	<b>\$3,600</b>

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	4	0	0	0	0
Existing Faculty	1	0	1	4	1	4

## **Staff Conclusion**

Black Hawk 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.



**City Colleges of Chicago**  
**180 North Wabash, Suite 200**  
**Chicago, Illinois 60601**  
**Chancellor: Dr. Juan Salgado**  
**Kennedy King College**  
**Harold Washington College**  
**Malcolm X College**  
**Harry S. Truman College**  
**Olive-Harvey College**  
**Richard J. Daley College**  
**Wilbur Wright College**

**Proposed Program Title:** Associate of Applied Science in Software Development (62 credit hours)

### **Program Purpose**

This program will prepare individuals for entry-level employment and advancement opportunities as software developers in a variety of information technology settings.

### **Catalog Description**

The Associate of Applied Science (AAS) in Software Development prepares individuals with the expertise in at least one programming language, obtaining hands-on experience in the analysis, design, implementation, and maintenance of software applications using those languages. Students also build skills in either back end website programming or mobile application development and gain work-based experiences through an internship or field project. Students will also select electives that focus on systems analysis, web development, or business security. Graduates will be prepared to enter the workforce as entry-level programmers.

### **Curricular Information**

The AAS in Software Development requires 17 credit hours of general education coursework and 36 credit hours of required career and technical education coursework, and nine credit hours of related technical electives. Career and technical coursework includes instruction in computer science, fundamentals of programming, principles of software development, mobile application programming, web development/basic web technologies, advanced web development: server-side programming, advanced web development: client-side programming, introductory and advanced Java object-oriented programming, introductory and advanced C++ object-oriented programming, data visualization and presentation for business, and client-server database programming. There is also a required work-based learning component in software development. Assessment of student learning will be achieved through evaluation of each student's performance in the work-based learning component or on a comprehensive field project. The proposed degree program will provide an educational ladder opportunity for graduates of the recently approved Basic and Advanced Certificate in Software Development program.

## Justification for Credit Hours Required for the Degree

The inclusion of two mathematics courses (at four credit hours each) in the program was recommended by the industry partners to improve student success in understanding the required programming languages.

## Accrediting Information

The City Colleges of Chicago (the College) are accredited by the Higher Learning Commission. Specialized accreditation is not required.

## Supporting Labor Market Data (including employer partners)

Labor market information provided by the College supports the interest in and the need for programs in this field of study. According to the Illinois Department of Employment Security (IDES), employment in software development-related occupations is expected to increase between 13.1 and 28.4 percent statewide through 2026.

*Table 1: Employer Partners*

<b>Employers</b>	<b>Location</b>
Microsoft-Midwest Region	Chicago, IL
Airro Studio	Chicago, IL
TackleAi	Chicago, IL
Narrative Science	Chicago, IL
Center for Information Technology Talent Acceleration	Libertyville, IL
GoHealth	Chicago, IL

*Table 2: Projected Enrollments (Combined for all City Colleges)*

<b>Software Development AAS</b>	<b>First Year</b>	<b>Second Year</b>	<b>Third Year</b>
Full-Time Enrollments:	70	112	196
Part-Time Enrollments:	28	56	84
Completions:	-	42	112

## Financial / Budgetary Information

Six existing full-time, one new full-time, and eight new part-time faculty will be required to implement the program. Qualified faculty will hold a master's degree in Computer Science, Software Engineering, or a related IT field, have at least one year of occupational experience in the field of software development, and two years of teaching experience preferred. The program will utilize all existing facilities but has budgeted for some equipment upgrades during the third year of operation. The program will be fiscally supported through student tuition and fees.

Table 3: Financial Information (Combined for all City Colleges)

	First Year	Second Year	Third Year
Faculty Costs	\$281,047	\$471,247	\$560,001
Administrator Costs	-	-	-
Other Personnel Costs (program support)	\$5,000	\$5,000	\$5,000
Equipment Costs	-	-	\$10,000
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other	-	-	-
<b>TOTAL NEW COSTS</b>	<b>\$286,047</b>	<b>\$476,247</b>	<b>\$575,001</b>

Table 4: Faculty Requirements (Combined for all City Colleges)

	First Year		Second Year		Third Year	
	Full-Time	Part-time	Full-Time	Part-time	Full-Time	Part-time
New Faculty	1	8	4	3	4	1
Existing Faculty	6	0	7	8	11	11

### Staff Conclusion

The City College of Chicago and its proposed program meet the criteria to implement the Board of Higher Education Act (110 ILCS 205) as set forth in 23 Ill. Adm. Code 1050. 30 and the Illinois Board of Higher Education policies pertaining to assessment and accreditation for licensure.

**Heartland Community College**  
**1500 West Raab Road**  
**Normal, Illinois 61761**  
**President: Dr. Keith Cornille**

**Proposed Program Title:** Associate of Applied Science in Agriculture

### **Program Purpose**

The program will prepare individuals for entry-level employment in agriculture-related positions including those in agribusiness, ag production, ag sales of products and agricultural services, and chemical application.

### **Catalog Description**

The Associate of Applied Science (AAS) in Agriculture is designed to give students a broad overview of the agriculture field, with an emphasis on regenerative agriculture. Students will combine general education and agriculture core classes with hands-on experience from one of three specialized occupational areas in Agriculture Business, Agronomy, or Precision Agriculture to further none their skills and knowledge in their preferred career pathway. Upon completion of the AAS in Agriculture, students will also have completed the Regenerative Agriculture Certificate and at least one additional occupational certificate and will be prepared for employment in positions including chemical applicator, purchasing analyst, herdsman, crop adjuster, sales associate, production manager, and more.

### **Curricular Information**

The AAS in Agriculture requires 15 credit hours of general education coursework and 45 credit hours of required career and technical education coursework. Career and technical coursework includes instruction in agriculture safety, agriculture employment, agriculture economics, farm management, computer technology in agriculture, agronomy, soil science, precision agriculture, animal science, regenerative agriculture, and a required work-based learning experience in applied agriculture. The curriculum also requires a choice of specialization in ag business, agronomy, or precision agriculture. Assessment of student learning will be achieved through evaluation of the student's performance during the work-based learning experience by program faculty and work-site supervisor. The curriculum was designed to provide articulation opportunities for individuals interested in pursuing additional agriculture education at the baccalaureate level. The college has plans for articulation of the proposed AAS in Agriculture with Illinois State University's Bachelor of Science in Agriculture.

### **Accrediting Information**

Heartland Community College (the College) is accredited by the Higher Learning Commission. Specialized accreditation is not required.

### **Supporting Labor Market Data (including employer partners)**

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 in agribusiness-related occupations is expected to increase between one to eight percent statewide through 2026.

*Table 1: Employer Partners*

<b>Employers</b>	<b>Location</b>
McLean County Farm Bureau	Bloomington, IL
Beck's Hybrids	Pontiac, IL
GROWMARK, Inc.	Bloomington, IL
Prairie Earth Farms	Atlanta, IL
Syngenta	Clinton, IL
Central Illinois Agriculture	Atlanta, IL
Evergreen, F. S.	Bloomington, IL
Cargill	Bloomington, IL
Precision Planting	Pontiac, IL
Nutrien	Bloomington, IL
Antiquity Oaks	Cornell, IL
CropTech Consulting	Heyworth, IL
RAMP Ag	Colfax, IL
Climate Corporation	Bloomington, IL

*Table 2: Projected Enrollments*

<b>Agriculture AAS</b>	<b>First Year</b>	<b>Second Year</b>	<b>Third Year</b>
Full-Time Enrollments:	5	10	20
Part-Time Enrollments:	5	10	20
Completions:	-	8	15

### **Financial / Budgetary Information**

One existing full-time, two existing part-time and three new part-time faculty will be required to implement the program. Qualified faculty will hold at least a bachelor's degree in Agriculture or a related agriculture field (Master's degree preferred), have at least one year of occupational experience in the field of agriculture, and one year of teaching experience preferred. The program will utilize all existing facilities during the first three years of operation with some purchases of equipment planned over those implementation years. The program will be fiscally supported through student tuition and fees.

*Table 3: Financial Information*

	<b>First Year</b>	<b>Second Year</b>	<b>Third Year</b>
Faculty Costs	\$14,000	-	\$3,750
Administrator Costs	-	-	-
Other Personnel Costs	-	-	-
Equipment Costs	\$30,830	\$8,580	\$8,580
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other	-	-	-
<b>TOTAL NEW COSTS</b>	<b>\$44,830</b>	<b>\$8,580</b>	<b>\$12,330</b>

Table 4: Faculty Requirements

	First Year		Second Year		Third Year	
	<u>Full-Time</u>	<u>Part-time</u>	<u>Full-Time</u>	<u>Part-time</u>	<u>Full-Time</u>	<u>Part-time</u>
New Faculty	0	3	0	0	0	1
Existing Faculty	1	2	1	5	1	6

### Staff Conclusion

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

**John A. Logan College**  
**700 Logan College Drive**  
**Carterville, Illinois 62918**  
**President: Dr. Kirk Overstreet**

**Proposed Program Title:** Associate of Applied Science in Surgical Technology (62.5 credit hours)

### **Program Purpose**

The program will prepare individuals for entry-level employment, under the supervision of physicians and surgical nurses, to maintain, monitor and enforce sterile field and adherence to aseptic technique by pre-operative, surgical team, and post-operative personnel as Certified Surgical Technologists.

### **Catalog Description**

The Associate in Applied Science (AAS) in Surgical Technology is offered at the community colleges through the Southern Illinois Collegiate Common Market (SICCM) and is a cooperative program with John A. Logan College (the College) and Shawnee Community College. This program is designed to provide students with the knowledge, skills, and attitudes necessary to practice as certified surgical technologists. Students successfully completing the program will be fully qualified for jobs as scrub surgical technologists and circulating surgical technologists in hospitals, surgical centers, clinics, and physicians' offices. The program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), by recommendation of the Accreditation Review Committee on Education in Surgical Technology. Graduates of the accredited Surgical Technology program will sit for the National Certifying Exam for Surgical Technologists. The exam will be scheduled at the student's home campus and is administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA), which is accredited by the National Commission for Certifying Agencies (NCCA). Upon successful completion of the exam, the graduate will earn the Certified Surgical Technologist (CST) credential. The program is offered off campus in a central laboratory.

### **Curricular Information**

The AAS in Surgical Technology requires 18 credit hours of general education coursework and 44.5 credit hours of required career and technical education coursework. Career and technical coursework includes instruction in medical terminology, introductory surgical technology, principles and practices of surgical technology, pharmacology for the surgical technologist, introductory through advanced levels of surgical procedures, and introductory through advanced levels of clinical experience. Assessment of student learning will be achieved through evaluation of the student's performance during their clinical experience and through evaluation of a competency checklist completed by program faculty.

### **Justification for Credit hours Required for the Degree**

The College currently offers an accredited Surgical Technology Certificate program. By August 2021, all existing programs will be required to award a minimum of an associate degree for students to obtain national certification. The curriculum exceeds content and competencies specified in the current edition of the Core Curriculum for Surgical Technology as outlined by the

CAAHEP and reflect the requisite topics and learning objectives necessary to meet accreditation requirements.

### Accrediting Information

John A. Logan College is accredited by the Higher Learning Commission. The proposed degree program meets new accreditation requirements of the Commission on Accreditation of Allied Health Education Programs. The curriculum aligns with standards outlined by the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA) for credentialing and will prepare graduates for the Certified Surgical Technologist credential through the Association of Surgical Technologists (AST).

### Supporting Labor Market Data (including employer partners)

By August 2021, all existing programs will be required to award a minimum of an associate-level degree for students to obtain national certification. College faculty and members of the program advisory committee support the revision of the existing certificate program into the AAS curriculum in order to meet accreditation standards and local labor force needs. Local employers indicate a need for not only the training of new surgical technologists, but also for a program that will provide existing professionals holding certificate-level education credentials an educational ladder opportunity to achieve the new credential requirements. 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 “surgical technologists” is expected to increase by nearly one percent statewide through 2026. The College currently offers the certificate program through the Southern Illinois Collegiate Common Market (SICCM) and seeks the same regional classification for the proposed degree program.

*Table 1: Employer Partners*

<b>Employers</b>	<b>Location</b>
Chester Memorial Hospital	Chester, IL
Crossroads Community Hospital	Mt. Vernon, IL
Fairfield Memorial Hospital	Fairfield, IL
Fayette County Hospital	Vandalia, IL
Ferrell Hospital	Eldorado, IL
Good Samaritan Regional Health	Mt. Vernon, IL
Good Samaritan Surgery Center	Mt. Vernon, IL
Harrisburg Medical Center	Harrisburg, IL
Heartland Regional Medical Center	Marion, IL
Herrin Hospital	Herrin, IL
Memorial Hospital of Carbondale	Carbondale, IL
Physician’s Surgery Center	Carbondale, IL
Salem Township Hospital	Salem, IL
Southeast Health	Cape Girardeau, MO
Southern Illinois Orthopedic Center	Herrin, IL
St. Francis Medical Center	Cape Girardeau, MO
St. Joseph’s Hospital	Breese, IL
St. Joseph’s Hospital	Highland, IL
St. Joseph’s Memorial Hospital	Murphysboro, IL
St. Mary’s Medical Center of Evansville	Evansville, IN



Table 2: Projected Enrollments

<b>Surgical Tech AAS</b>	<b>First Year</b>	<b>Second Year</b>	<b>Third Year</b>
Full-Time Enrollments:	12	18	18
Part-Time Enrollments:	-	-	-
Completions:	-	12	18

### Financial / Budgetary Information

Two new full-time and one existing part-time faculty will be required to implement the revised program. Existing full- and part-time faculty will be retained and meet the requirement for accreditation. Existing faculty have at least an associate's degree in Surgical Technology or closely related field, hold current Certified Surgical Technologist (CST) status, have between three to five years of operating room experience and three to five years of didactic/clinical instruction experience. The program will utilize all existing facilities and equipment, with the intention to purchase additional equipment and instructional supplies to support the program during the first three years of operation. The program will be fiscally supported through student tuition and fees.

Table 3: Financial Information

	<b>First Year</b>	<b>Second Year</b>	<b>Third Year</b>
Faculty Costs	\$9,000	\$16,000	\$16,000
Administrator Costs	-	-	-
Other Personnel Costs	-	-	-
Equipment Costs	\$5,000	-	-
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (Instruct Supplies)	\$2,000	\$2,000	\$2,000
<b>TOTAL NEW COSTS</b>	<b>\$16,000</b>	<b>\$18,000</b>	<b>\$18,000</b>

Table 4: Faculty Requirements

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

### Staff Conclusion

John A. Logan College and its proposed program meet the criteria to implement the Board of Higher Education Act (110 ILCS 205) as set forth in 23 Ill. Adm. Code 1050. 30 and the Illinois Board of Higher Education policies pertaining to assessment and accreditation for licensure.

**Lake Land College**  
**5001 Lake Land Boulevard**  
**Mattoon, Illinois 61938**  
**President: Dr. Josh Bullock**

**Proposed Program Title:** Associate in Applied Science in Fire Science Management (60 credit hours)

**Program Purpose**

This program will prepare working firefighters with the skills and knowledge necessary to attain entry- and advanced-level certifications allowing for promotional opportunities within fire departments.

**Catalog Description**

The Associate in Applied Science (AAS) in Fire Science Management will prepare firefighters for advancement as Company Fire Officer or Advanced Company Fire Officer. Courses will prepare individuals with the knowledge and skills needed to complete the task book under direct supervision of a fire chief. Once coursework and the task book are completed, students may sit for the state certification test for promotional opportunities within their current fire department. The degree program will provide an educational ladder opportunity for Fire Science Management certificate completers. These courses are approved by the Illinois State Fire Marshall's Office.

**Curricular Information**

The AAS in Fire Science Management requires 16 credit hours of general education and 44 credit hours of career and technical education coursework. Career and technical coursework includes basic and advanced levels of company fire officer training, two levels of fire instructor training, hazardous materials, tactics and strategies, disease processes, human resources management, business math, fundamentals of accounting, practical software applications, and a related technical elective.

Assessment of student learning will be achieved through evaluation of the student's performance completing the required task book and through work-based learning. Coursework was developed according to the Office of the Illinois State Fire Marshall and will prepare individuals for their state certifications as Company Fire Officer and/or Advanced Company Fire Officer.

**Accrediting Information**

Lake Land College (Lake Land or the College) is accredited by the Higher Learning Commission. The coursework and curriculum were developed according to standards of the Office of the Illinois State Fire Marshall. The College will seek optional program recognition by the Fire and Emergency Services Higher Education (FESHE) Committee. This recognition is an acknowledgement that the collegiate emergency services degree program meets the minimum standards of excellence established by FESHE professional development committees and the National Fire Academy (NFA).

## Supporting Labor Market Data (including employer partners)

Labor market information provided by the College supports the interest in and the need for a degree program in this field of study. According to the Illinois Department of Employment Security (IDES), employment growth for supervisory/managerial firefighting-related occupations is expected to increase statewide between 4.1 percent through the year 2026. Furthermore, the College received support from five full-time fire departments and 40 volunteer fire departments within its district.

Table 1: Employer Partners

Employer	Location
Charleston Fire Department	Charleston, IL
Effingham Fire Department	Effingham, IL
Sullivan Fire Department	Sullivan, IL
Mattoon Fire Department	Mattoon, IL

Table 2: Projected Enrollments

Fire Science Mgt AAS degree	First Year	Second Year	Third Year
Full-Time Enrollments:	5	7	10
Part-Time Enrollments:	5	8	10
Completions:	-	13	17

## Financial / Budgetary Information

The program will require two new part-time faculty the first year. All facilities are adequately in place to support the program and will share existing resources with the related emergency medical services/management programs currently being offered. The program will be supported fiscally through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$17,820	\$17,820	\$17,820
Administrator Costs	\$13,845	\$13,845	\$13,845
Other Personnel costs	-	-	-
Equipment Costs	-	-	-
Library/LRC Costs	\$2,740	\$1,179	\$1,179
Facility Costs*	-	-	-
Other	-	-	-
<b>TOTAL NEW COSTS</b>	<b>\$34,405</b>	<b>\$32,844</b>	<b>\$32,844</b>

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	2	0	1	0	1
Existing Faculty	0	0	0	2	0	3

## **Staff Conclusion**

Lake Land 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.

**Parkland College**  
**2400 West Bradley Avenue**  
**Champaign, Illinois 61821**  
**President: Dr. Thomas Ramage**

**Proposed Program Title:** Associate in Applied Science in Aviation Flight Technology (61 credit hours)

### **Program Purpose**

This program will prepare individuals for earning their professional pilot's license, or their Unmanned Aircraft System (UAS) license.

### **Catalog Description**

The Associate in Applied Science (AAS) in Aviation Flight Technology is designed for students planning to pursue an aviation career and wanting to earn certifications to enter the commercial aviation industry. This two-track program allows for either the student who is planning on a professional pilot career, or one who is interested in pursuing drone (small Unmanned Aviation System, or sUAS) certification. Both tracks are designed to allow students to attain certifications in private pilot, private pilot with instrument rating, commercial pilot, and commercial multiengine offered in a sequential manner. Graduates, upon the completion of the degree and with the appropriate FAA flight time requirements, may enter the workforce as commercial pilots and/or UAS pilots. Flight training is offered at the University of Illinois Willard Airport in Savoy, Illinois. Drone training is offered at the Parkland College main campus location.

### **Curricular Information**

The AAS in Aviation Flight Technology requires 16 credit hours of general education coursework and 45 credit hours of required career and technical education coursework. Career and technical coursework includes instruction in introductory and advanced private pilot, introductory and advanced commercial pilot, introductory and advanced commercial instrument, aircraft systems for pilots, aviation physiology, aviation weather, aircraft aerodynamics for pilots, and multiengine landing. The professional pilot track requires additional coursework in aviation accident and human factors, cockpit resource management, and flight instructor training. The drone pilot track requires additional coursework in drone flight technology, drone data collection and application, and business/entrepreneurship for drone piloting.

Assessment of student learning will be achieved through evaluation of the student's performance during required demonstrated flying proficiency exams in their appropriate track completed by program faculty.

### **Justification for Credit Hours Required for the Degree**

This program is designed to prepare students for their private pilot, commercial pilot, instrument rating, UAS, and Advanced UAS licenses and ratings. In addition, the curriculum includes the required relevant course material, as well as provides enough college credit hours to meet Restricted Airline Transport Pilot (R-ATP) requirements for federal regulation 14 CFR 61.160(c). This training equates to 61 credit hours for the UAS pilot and 62 credit hours for the professional

pilot degree program. The material included in this curriculum is also supported by Parkland College's (Parkland or the College) program advisory committee.

### Accrediting Information

Parkland is accredited by the Higher Learning Commission. The College has offered aviation courses in partnership with The Institute of Aviation (formerly known as the Aviation Institute at University of Illinois at Urbana/Champaign) for several years. The Institute has been in existence since 1950 and continues to be certified by the Federal Aviation Administration (FAA) as a flight training school. The Institute is an FAA-approved Part 141 flight training program (professional piloting) and a Part 107 unmanned aircraft systems training program (drone piloting). Furthermore, the Institute is a designated FAA testing authority and FAA Airman (Pilot) Examining Agency.

### Supporting Labor Market Data (including employer partners)

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 pilots (including commercial and drone) is expected to increase by nearly 8.3 percent statewide through 2026. The College currently offers several aviation courses as electives in their existing Associate of Science baccalaureate/transfer degree, individual certificates in private piloting, commercial piloting and instrument rating, and a short-term UAS certificate. Program advisory committee feedback supported the investigation of a career and technical education degree in this field. Students and local employers also expressed interest in the opportunity for expanding existing offerings to include an AAS degree program that prepared for either professional pilot or drone pilot. The College has requested and received from the Illinois Community College Board statewide classification for the degree program to be able to offer the degree program to students outside of its district.

Table 1: Employer Partners

Employer	Location
Flightstar Corporation	Savoy, IL
Willard Airport	Savoy, IL
Horizon Hobby (UAS Manufacturer)	Champaign, IL
Growmark, Inc-Agronomy Technology	Champaign, IL
Evergreen FS-Five County Region	Champaign/Bloomington, IL

Table 2: Projected Enrollments

Aviation Flight Tech AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	35	42	52
Part-Time Enrollments:	20	28	38
Completions:	-	55	70

### Financial / Budgetary Information

One new full-time, three new part-time faculty, 12 existing full-time, and six existing part-time faculty will be required to implement the program. Qualified faculty must hold at least an associate degree, with a bachelor's degree preferred, FAA Flight Instructor Certification for Commercial Pilot, and Certification for UAS Pilot for drone courses. In addition, one-year of related work experience in piloting is required and one year teaching experience is preferred. The

program will utilize all existing facilities and equipment. The program will be fiscally supported through student tuition and fees.

*Table 3: Financial Information*

	<b>First Year</b>	<b>Second Year</b>	<b>Third Year</b>
Faculty Costs	\$47,504	\$32,500	\$32,500
Administrator Costs	-	-	-
Other Personnel Costs	-	-	-
Equipment Costs	-	-	-
Library/LRC Costs	-	-	-
Facility Costs	-	-	-
Other	-	-	-
<b>TOTAL NEW COSTS</b>	<b>\$47,504</b>	<b>\$32,500</b>	<b>\$32,500</b>

*Table 4: Faculty Requirements*

	<b>First Year</b>		<b>Second Year</b>		<b>Third Year</b>	
	<u>Full-Time</u>	<u>Part-time</u>	<u>Full-Time</u>	<u>Part-time</u>	<u>Full-Time</u>	<u>Part-time</u>
New Faculty	1	3	1	0	0	0
Existing Faculty	12	6	13	9	14	9

**Staff Conclusion**

Parkland 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.

**Shawnee Community College**  
**8364 Shawnee College Road**  
**Ullin, Illinois 62992**  
**President: Dr. Tim Taylor**

**Program Proposed Title:** Associate in Applied Science in Surgical Technology (62.5 credit hours)

### **Program Purpose**

The program will prepare individuals for entry-level employment, under the supervision of physicians and surgical nurses, to maintain, monitor and enforce sterile field and adherence to aseptic technique by pre-operative, surgical team, and post-operative personnel as Certified Surgical Technologists.

### **Catalog Description**

The Associate in Applied Science (AAS) in Surgical Technology is offered at the community colleges through the Southern Illinois Collegiate Common Market (SICCM) and is a cooperative program with John A. Logan College and Shawnee Community College (Shawnee or the College). This program is designed to provide students with the knowledge, skills, and attitudes necessary to practice as certified surgical technologists. Students successfully completing the program will be fully qualified for jobs as scrub surgical technologists and circulating surgical technologists in hospitals, surgical centers, clinics, and physicians' offices. The program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP), by recommendation of the Accreditation Review Committee on Education in Surgical Technology. Graduates of the accredited Surgical Technology program will be eligible to sit for the National Certifying Exam for Surgical Technologists to become Certified Surgical Technologists (CST). The exam is administered by the National Board of Surgical Technology and Surgical Assisting (NBSTSA), which is accredited by the National Commission for Certifying Agencies (NCCA). The program is offered off campus in a central laboratory.

### **Curricular Information**

The AAS in Surgical requires 18 credit hours of general education coursework and 44.5 credit hours of required career and technical education coursework. Career and technical coursework includes instruction in medical terminology, introductory surgical technology, principles and practices of surgical technology, pharmacology for the surgical technologist, introductory through advanced levels of surgical procedures, and introductory through advanced levels of clinical experience. Assessment of student learning will be achieved through evaluation of the student's performance during their clinical experience and through evaluation of a competency checklist completed by program faculty.

### **Justification for Credit Hours Required for the Degree**

The College currently offers an accredited Surgical Technology Certificate program. By August 2021, all existing programs will be required to award a minimum of an associate degree for students to obtain national certification. The proposed curriculum exceeds content and competencies specified in the current edition of the Core Curriculum for Surgical Technology as



outlined by the CAAHEP and reflects the requisite topics and learning objectives necessary to meet accreditation requirements.

### Accrediting Information

Shawnee is accredited by the Higher Learning Commission. The proposed program meets new CAAHEP accreditation requirements. The curriculum aligns with standards outlined by the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA) for credentialing and will prepare graduates for the Certified Surgical Technologist credential through the Association of Surgical Technologists (AST).

### Supporting Labor Market Data (including employer partners)

College faculty and members of the program advisory committee support the revision of the existing certificate program into a degree curriculum in order to meet accreditation standards and local labor force needs. Local employers indicate a need for not only the training of new surgical technologists, but also for a program that will provide existing professionals holding certificate-level education credentials an avenue for meeting new credential requirements. 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 “surgical technologists” is expected to increase by nearly one percent statewide through 2026. The College currently offers the certificate program through the Southern Illinois Collegiate Common Market (SICCM) and seeks the same regional classification for the proposed degree program.

*Table 1: Employer Partners*

<b>Employer</b>	<b>Location</b>
Chester Memorial Hospital	Chester, IL
Crossroads Community Hospital	Mt. Vernon, IL
Fairfield Memorial Hospital	Fairfield, IL
Fayette County Hospital	Vandalia, IL
Ferrell Hospital	Eldorado, IL
Good Samaritan Regional Health	Mt. Vernon, IL
Good Samaritan Surgery Center	Mt. Vernon, IL
Harrisburg Medical Center	Harrisburg, IL
Heartland Regional Medical Center	Marion, IL
Herrin Hospital	Herrin, IL
Memorial Hospital of Carbondale	Carbondale, IL
Physician’s Surgery Center	Carbondale, IL
Salem Township Hospital	Salem, IL
Southeast Health	Cape Girardeau, MO
Southern Illinois Orthopedic Center	Herrin, IL
St. Francis Medical Center	Cape Girardeau, MO
St. Joseph’s Hospital	Breese, IL
St. Joseph’s Hospital	Highland, IL
St. Joseph’s Memorial Hospital	Murphysboro, IL
St. Mary’s Medical Center of Evansville	Evansville, IN
St. Mary’s Good Samaritan Hospital	Centralia, IL

Table 2: Projected Enrollments

<b>Surgical Tech AAS</b>	<b>First Year</b>	<b>Second Year</b>	<b>Third Year</b>
Full-Time Enrollments:	12	18	18
Part-Time Enrollments:	-	-	-
Completions:	-	12	18

### Financial / Budgetary Information

Two new full-time and one existing part-time faculty will be required to implement the revised program. Existing full- and part-time faculty will be retained and meet the requirement for accreditation. Existing faculty have at least an associate degree in Surgical Technology or closely related field, hold current Certified Surgical Technologist (CST) status, have between 3-5 years of operating room experience and 3-5 years didactic/clinical instruction experience. The program will utilize all existing facilities and equipment, with the intention to purchase additional equipment and instructional supplies to support the program during the first three years of operation. The program will be fiscally supported through student tuition and fees.

Table 3: Financial Information

	<b>First Year</b>	<b>Second Year</b>	<b>Third Year</b>
Faculty Costs	\$9,000	\$16,000	\$16,000
Administrator Costs	-	-	-
Other Personnel Costs	-	-	-
Equipment Costs	\$5,000	-	-
Library/LRC Costs	-	-	-
Facility Costs*	-	-	-
Other (Instruct Supplies)	\$2,000	\$2,000	\$2,000
<b>TOTAL NEW COSTS</b>	<b>\$16,000</b>	<b>\$18,000</b>	<b>\$18,000</b>

Table 4: Faculty Requirements

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

### Staff Conclusion

Shawnee 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.