

APPROVED

NOVEMBER 15, 2022

Item #F-1
November 15, 2022

NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES

Submitted for: Action.

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

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

Lewis and Clark Community College

- Associate of Applied Science in Fire Service Leadership

Triton College

- Associate of Applied Science in Diesel and Transportation 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. 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

Lewis and Clark Community College

- Associate of Applied Science in Fire Service Leadership

Lewis and Clark Community College (LCCC or the College) is seeking approval for a 60-credit hour Associate of Applied Science in Fire Service Leadership. The curriculum is based on the National Fire Protection Association (NFPA) 1021: Standard for Fire Officer Professional Qualifications and includes 17 credit hours of required general education, as well as 43 credit hours of required career and technical education coursework. The Fire Service Leadership AAS prepares graduates to become supervisors or managers. The degree also provides students the opportunity to earn required certification through the Office of Illinois State Fire Marshal in each of the following areas: Advanced Fire Fighter, Fire Instructor I and II, Company Fire Officer, Advanced Fire Officer, and Incident Safety Officer through the Office of Illinois State Fire Marshal (OSFM). 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.

Triton College

- Associate of Applied Science in Diesel and Transportation Technology

Triton College (the College) is seeking approval for a 61-credit hour Associate of Applied Science in Diesel and Transportation Technology. The curriculum includes 15 credit hours of required general education, and 46 credit hours of required career and technical education coursework. The Diesel and Transportation Technology AAS is designed for learners who wish to concentrate solely on technical courses to repair today's modern class four-through-eight vehicles. Graduates of the program will be prepared for Automotive Service Excellence (ASE) T1 through T8 certifications and will be able to seek employment as a truck repair technician. 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.

The staff recommends adoption of the following resolutions:

The Illinois Board of Higher Education hereby grants authority to the Lewis and Clark Community College to offer the Associate of Applied Science in Fire Service Leadership 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 Triton College to offer the Associate of Applied Science in Diesel and Transportation 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.

**Lewis and Clark Community College
Benjamin Godfrey Campus
5800 Godfrey Road
Godfrey, Illinois 62025
President: Dr. Ken Trzaska**

Proposed Program Title: Associate of Applied Science in Fire Service Leadership (60 credit hours)

Program Purpose

This program will prepare individuals with fire science training for leadership positions within a public fire service department, agency, or related service provider.

Catalog Description

The goal of the Fire Service Leadership AAS is to combine fire service leadership courses with general education, including science and math courses, in an effort to provide students with the skills necessary, based on national consensus standards, to become supervisors/managers in the public service sector. The curriculum places emphasis on developing a common set of leadership skills, as well as the acquisition of critical thinking, communication, and problem-solving skills. This curriculum is based on the National Fire Protection Association (NFPA) 1021: Standard for Fire Officer Professional Qualifications outlining the need for fire officers to have skills in Human Resource Management, Community & Government Relations, Administration, Inspection & Investigation, Emergency Service Delivery, and Health & Safety.

The target population for this program includes full-time, paid on-call, and volunteer firefighters across the state who have shown an interest in becoming leaders within their organization but who do not want to earn a bachelor's degree at this time in their lives. The program is designed for firefighters looking to advance their careers and take on additional responsibility within their organization and/or community. The Fire Service Leadership program will prepare individuals for employment as supervisors/managers including Chief Officers, Fire Marshalls, EMA Directors, and Company Officers.

Curricular Information

The curriculum includes 17 credit hours of required general education, and 43 credit hours of required career and technical education coursework. The career and technical component includes instruction in Advanced Fire Fighter, Fire Instructor I and II, Company Fire Officer, Advanced Fire Officer, and Incident Safety Officer. The curriculum will prepare graduates for required certification in each of these specific areas through the Office of the Illinois State Fire Marshal (OSFM).

Assessment of student learning objectives in both programs will be achieved through evaluation of the student's performance against OSFM certification standard checklists for each course, and during a comprehensive final evaluation.

Accrediting Information

Lewis and Clark Community College is accredited by the Higher Learning Commission. The curriculum follows the guidelines of the Office of the Illinois State Fire Marshall for preparing fire service professionals for leadership/management positions in the public fire service industry.

Justification for Credit hours required

Not applicable.

Diversity, Equity, & Inclusion Efforts

LCCC is committed to equity strategies that involve closing gaps on who enrolls, persists, and completes programs in the field of study. The College currently utilizes multiple forms of outreach with underrepresented groups in an effort to increase enrollment, retention and graduation rates. Efforts include improving promotion of the Student Success Center, utilizing Bridge to College grant funds to assist underrepresented groups entering college, utilizing the newly established Faculty/Staff to Student Mentor program, and specific to the proposed program, building relationships with local fire districts to promote the program. Further the College employs “intrusive advising”, where faculty members update advisors on students’ progress at the 25 percent and 50 percent marks in the course. Students having difficulty are then contacted by the advisors and assisted in finding resources to support their success. 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, 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 communities through working in diverse regions within the metro east region.

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 fire service-related occupations is expected to increase statewide around 4.8 percent statewide through 2030, and nationally by about 8 percent through 2030.

Table 1: Employer Partners

Employer	Location
Godfrey Fire Protection District	Godfrey, IL
Brighton-Betsey Ann Fire District	Brighton, IL
Conoco Phillips Refinery	Wood River, IL
Edwardsville Fire Department	Edwardsville, IL
Wood River Fire Department	Wood River, IL
Worden Fire Department	Worden, IL
Workforce Solutions & Safety Training	Bethalto, IL
MABAS Division 35 Fire Chiefs Organization	Multiple locations in Bond, Jersey, Macoupin, Madison, & Montgomery Counties

Table 2: Projected Enrollments

Fire Serv Leadership AAS degree	First Year	Second Year	Third Year
Full-Time Enrollments:	0	0	5
Part-Time Enrollments:	5	5	10
Completions:	-	5	7

Financial / Budgetary Information

The program will require fourteen existing part-time faculty the first year. Qualified faculty will hold at least a bachelor's degree in Fire Science or closely related field, have at least one year work experience, and one year teaching experience is preferred. The program will be supported fiscally through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$0	\$0	\$0
Administrator Costs	-	-	-
Other Personnel costs	-	-	-
Equipment Costs	-	-	-
Library/LRC Costs	-	-	-
Facility Costs	-	-	-
Other (Lab consumables)	\$500	\$500	\$500
TOTAL NEW COSTS	\$500	\$500	\$500

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	0	0	0
Existing Faculty	0	14	0	14	0	14

Staff Conclusion

Lewis and Clark 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.

Triton College
2000 Fifth Avenue
River Grove, Illinois
President: Mary-Rita Moore

Proposed Program Title: Associate of Applied Science in Diesel and Transportation Technology
(61 credit hours)

Program Purpose

This program will prepare individuals for entry-level employment as medium to heavy diesel truck technicians.

Catalog Description

The Diesel and Transportation Technology degree program is designed for learners who wish to concentrate solely on technical courses to repair today's modern class four-through-eight vehicles. Upon completion of the program, students will be able to seek employment as a truck repair technician in a dealership or an aftermarket repair facility. Students will be prepared to demonstrate Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) industry-recognized safety practices, vehicle symptoms by performing diagnostic evaluations, knowledge of complex truck diagnostic procedures, and how to clearly and effectively communicate with others through verbal evaluation. Graduates of this program will be prepared for Automotive Service Excellence (ASE) T1 through T8 certifications.

Curricular Information

The curriculum includes 15 credit hours of required general education, and 46 credit hours of required career and technical education coursework. The career and technical component includes instruction in introductory automotive technology, introductory and intermediate levels of diesel electricity and electronics, truck fuel management, truck engine power plants, truck brakes, truck steering, suspension and alignment, introductory and intermediate levels of truck drive train systems, introductory and intermediate levels of truck heating and air conditioning, and truck inspection. The curriculum will prepare graduates for optional ASE certifications T1 through T8.

Assessment of student learning objectives will be achieved through evaluation of the student's performance against ASE certification standard checklists for each course, and during the final course (Truck Inspection) where a comprehensive final evaluation that incorporates testing of all systems will be conducted.

Justification for Credit hours required

Total credit hours reflect the contact hours per course necessary for students to master content according to ASE standards for certification.

Accrediting Information

Triton College is accredited by the Higher Learning Commission. The Automotive Service Excellence Educational Foundation offers optional accreditation for automotive technology programs. Triton College has achieved ASE accreditation for several existing related programs and plans to seek accreditation for the proposed Diesel and Transportation Technology degree program once one year of students has graduated. ASE program accreditation will be granted retro-actively and allow students to acquire ASE-related certifications, not required but preferred credentialing in the field.

Diversity, Equity & Inclusion Efforts

Triton 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 including attendance at high school educational fairs and working with industry partners to identify and target underserved individuals who may be interested in the proposed program or related stackable programs. Further, the College delivers outreach using multiple languages of the community including English, Spanish, and Polish. TRIO, Triumph, and Surge programs support and serve underrepresented student populations. The College currently offers a related Truck Brake and Suspension Certificate that articulates towards completion of the proposed degree program. This Certificate is a part of the College's Workforce Equity Initiative (WEI) project, which aims to address high-demand careers, targeting the unemployed, underemployed, and African American adults with the goal of participants achieving full-time employment. The College continues its efforts to hire and retain a diverse faculty, staff, and administration through Diversity, Equity and Inclusion Professional Development Workshops and year-round support activities. The College will intentionally seek to expose program students to a diverse set of faculty and industry partners.

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 diesel maintenance/repair technology is expected to increase statewide around 9.5 percent and for Cook County by 2 percent through the year 2030. Further, the College works closely with Navistar, Inc. on existing automotive technology programs, and was recently named an Amazon-preferred educational provider which utilizes diesel technicians in their nearby transportation facility.

Table 1: Employer Partners

Employer	Location
Navistar, Inc.	Lisle, IL
TransChicago Freightliner	Elmhurst, IL
JX Peterbilt	Elmhurst, IL
M&K Truck Center	Des Plaines, IL
Kelly Truck Center	Des Plaines, IL
Ryder	Melrose Park, IL
Penske	Elk Grove Village, IL
Central Illinois Truck (CIT)	Bensenville, IL

Table 2: Projected Enrollments

Diesel & Transport Tech AAS degree	First Year	Second Year	Third Year
Full-Time Enrollments:	3	8	15
Part-Time Enrollments:	12	18	25
Completions:	-	3	18

Financial / Budgetary Information

The program will require four existing part-time faculty the first year. Qualified faculty will hold an associate degree in Automotive Technology or closely related field, hold current ASE Medium/Heavy Truck certifications as required for each course, have at least one year work experience working in medium/heavy truck maintenance/repair technology, and one year teaching experience is preferred. The program will be supported fiscally through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$45,360	\$87,000	\$87,000
Administrator Costs	-	-	-
Other Personnel costs (PT lab assistant)	-	\$22,000	\$22,000
Equipment Costs	\$11,200	-	-
Library/LRC Costs	-	-	-
Facility Costs (monthly rent)	-	-	-
Other	-	-	-
TOTAL NEW COSTS	\$56,560	\$109,000	\$109,000

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	0
Existing Faculty	0	4	0	4	1	6

Staff Conclusion

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