

APPROVED
AUGUST 2, 2018

Item #II-1
August 2, 2018

NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES

Submitted for: Action.

Summary: This item requests approval of one new associate degree program to be offered at one community college.

Action Requested: That the Illinois Board of Higher Education approves the following program at the college indicated:

Lake Land College

- Associate of Applied Science in Plastics Manufacturing

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

Lake Land College

- Associate of Applied Science in Plastics Manufacturing

Lake Land College is seeking approval to offer a 60 credit hour Associate of Applied Science in Plastics Manufacturing. The degree program requires 16 credit hours of general education coursework and 44 credit hours of required career and technical coursework. The Plastics Manufacturing degree provides students with a wide background in the materials and processes used in plastics manufacturing as well as the skills necessary to setup, operate, and maintain the machines used in the manufacturing process. Policies are in place to ensure faculty members possess the training, credentials, and qualifications to provide instruction in the proposed program. Some new equipment and consumable materials will be purchased over the first three years of program implementation. The proposed program will be otherwise supported through student tuition and fees. 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.

The staff recommends adoption of the following resolutions:

The Illinois Board of Higher Education hereby grants authority to Lake Land College to offer the Associate of Applied Science in Plastics Manufacturing, 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.

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

Proposed Program Title: Associate of Applied Science in Plastics Manufacturing (60 credit hours)

Program Purpose

The Associate of Applied Science in Plastics Manufacturing degree will prepare individuals for entry-level employment and advancement opportunities as plastics technicians for manufacturers using a variety of manufacturing processes and equipment.

Catalog Description

This program is designed to give the students a wide background in the materials and processes used in plastics manufacturing as well as the skills necessary to setup, operate, and maintain the machines used in the manufacturing process. These skills and knowledge include extrusion, injection molding and thermoforming as well as touching on quality control issues in manufacturing.

Curricular Information

The curriculum consists of 16 credit hours of general education coursework and 44 credit hours of required career and technical education coursework. The career and technical component includes instruction in introduction to plastics, advanced manufacturing maintenance, electronics, injection molding, extrusion forming, inspection and quality control, industrial control, thermoforming, blow molding, plastics manufacturing, programmable logic controllers, technical mechanisms and related technical electives. Assessment of student learning will be achieved through evaluation of a comprehensive final lab project.

Accrediting Information

Program 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, growth in the employment of manufacturing-related technicians is expected to increase by 22 percent statewide through the year 2024. Local employers indicate strong support for this type of training.

Table 1: Employer Partners

Employer	Location
The Libman Company	Arcola, IL
Flex-N-Gate Plastics	Danville, IL

Table 2: Projected Enrollments

Plastics Manufacturing AAS	First Year	Second Year	Third Year
Full-Time Enrollments:	8	10	12
Part-Time Enrollments:	4	5	5
Completions:	-	8	10

Financial/Budgetary Information

The programs will require one existing full-time and one new part-time faculty the first year. Qualified faculty will hold at least an Associate in Plastics Technology or a closely related field, at least two years of related occupational experience, and some teaching experience is preferred. All facilities are adequately in place to support the program. Some new equipment and consumable materials will be purchased over the first three years of program implementation. The program will otherwise be supported fiscally through student tuition and fees.

Table 3: Financial Information

	First Year	Second Year	Third Year
Faculty Costs	\$5,800	\$11,600	\$11,600
Administrator Costs			
Other Personnel costs			
Equipment Costs	\$100,000	\$15,000	\$5,000
Library/LRC Costs			
Facility Costs*			
Other (Consumable Supplies)	\$3,500	\$5,000	\$5,000
TOTAL NEW COSTS	\$109,300	\$33,600	\$23,600

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

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