

## NEW UNITS OF INSTRUCTION AT PUBLIC COMMUNITY COLLEGES

**Submitted for:** Action.

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

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

Frontier Community College

- Associate in Applied Science in Construction Technology

Lincoln Trail College

- Associate in Applied Science in Construction Technology

Moraine Valley Community College

- Associate in Applied Science in Baking and Pastry



STATE OF ILLINOIS  
BOARD OF HIGHER EDUCATION

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

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

**Frontier Community College**  
**2 Frontier Drive**  
**Fairfield, Illinois 62837-9701**  
**President: Dr. Timothy L. Taylor**

**Proposed Program Title:** Associate in Applied Science in Construction Technology

*Projected Enrollments:* Frontier Community College projects an enrollment of five full-time and ten part-time students the first year, increasing to ten full-time and 18 part-time students by the third year.

**Introduction, Curriculum, and Assessment of Student Learning Outcomes**

Frontier Community College, one of the Illinois Eastern Community Colleges, is seeking approval to offer a 64-credit hour Construction Technology Associate in Applied Science (A.A.S.) degree. This program will prepare students for entry-level employment in the construction trades and management field. The proposed program was developed according to the competencies and educational objectives of the National Center for Construction Education and Research for construction technology programs. The curriculum consists of 16 credit hours of required general education coursework and 48 credit hours of required career and technical education coursework. The career and technical component of the curriculum includes instruction in construction fundamentals, framing/finishing fundamentals, framing/finishing applications, paint/finishing fundamentals, paint/finishing applications, plumbing fundamentals, plumbing applications, residential wiring, masonry fundamentals, forms and layout, site layout techniques, blueprints and building costs, and a required construction technology internship. Assessment of student learning objectives will be achieved through evaluation of students' performance on a comprehensive building project that will require their contribution in all areas of the planning, designing and building construction process.

## Labor Market Information

Labor market information provided by the college supports the interest in and need for a two-year degree program in this field of study. In addition to the proposed degree, the college recently added approved related certificates, Construction Technology Certificate and Basic Carpentry Certificate. The proposed degree will provide an educational ladder opportunity for students and graduates of both related programs. According to the Illinois Department of Employment Security, employment of construction trade workers is anticipated to grow by 7.9 percent and employment of construction managers is anticipated to grow by 13.1 percent statewide through 2018.

## Resources: Faculty, Staff, etc.

One new part-time faculty member will be required to implement the program. Qualified faculty will hold a Bachelor's degree in Construction Trades, Construction Management or a related building trade, possess a minimum of five years related work experience, and a minimum of two years teaching experience. All facilities are currently in place to adequately support the proposed program. Costs to implement the program will be approximately \$36,105 the first year, \$31,605 the second year, and \$28,605 the third year. Aside from faculty costs, projected expenditures include the update of computers and related software, purchase of additional library resources, and some related equipment purchases. The program will otherwise be supported by student tuition and fees.

## Institutional Completion Rates

*Criterion 1050.30(a)(1)(G) provides that success in student progression and graduation, and success rates in programs preparing students for certification and licensure, shall be consistent with expectations in higher education and the appropriate related field of study. At a minimum the Board shall consider these factors based on results for similar institutions. (i) Graduation rates, degree completion rates, retention rates, and pass rates for licensure and certification. (ii) The success rate shall be, at a minimum, higher than those of the lowest quartile of these measures for similar Illinois institutions defined as open versus competitive enrollment institutions, and primarily associate versus primarily baccalaureate granting institutions. Exceptions may be made to the lowest quartile if an institution is above the national average for these measures using the same comparison categories of institutions.*

Frontier Community College is in the primarily associate granting, open admission comparison group in Illinois. Cohort is based on those seeking an associates or undergraduate certificate only.

<u>Graduated/Transferred/Enrolled</u>	<u>Group Mean</u>	<u>Group Median</u>	<u>Rank</u>
64.4%	60.6%	60.7%	14/59
<u>Cohort Graduation Rate</u>	<u>Group Mean</u>	<u>Group Median</u>	<u>Rank</u>
46.4%	30.1%	24.3%	12/59
<u>Undergraduate Completions per 100 FTE</u>	<u>Group Mean</u>	<u>Group Median</u>	<u>Rank</u>
35.2	29.0	25.9	14/59

Note: This new section is a work in progress as staff begin evaluating institutions and presenting augmented write-ups for Board consideration based on criteria that were added for explicit consideration under recently-adopted revisions to IBHE Rules. In the detailed analysis of this proposal, staff and institutional representatives did not have the opportunity to address the data in this table nor any concerns the information might have raised.

**Staff Conclusion.** Frontier 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 accreditation for licensure.

**Lincoln Trail College**  
**11220 State Highway 1**  
**Robinson, Illinois 62454-5707**  
**President: Mitch Hannahs**

**Proposed Program Title:** Associate in Applied Science in Construction Technology

*Projected Enrollments:* Lincoln Trail College projects an enrollment of seven full-time and eight part-time students the first year, increasing to ten full-time and 12 part-time students by the third year.

### **Introduction, Curriculum, and Assessment of Student Learning Outcomes**

Lincoln Trail College, one of the Illinois Eastern Community Colleges, is seeking approval to offer a 64-credit hour Construction Technology Associate in Applied Science (A.A.S.) degree. This program will prepare students for entry-level employment in the construction trades and management field. The proposed program was developed according to the competencies and educational objectives of the National Center for Construction Education and Research for construction technology programs. The curriculum consists of 16 credit hours of required general education coursework and 48 credit hours of required career and technical education coursework. The career and technical component of the curriculum includes instruction in construction fundamentals, framing/finishing fundamentals, framing/finishing applications, paint/finishing fundamentals, paint/finishing applications, plumbing fundamentals, plumbing applications, residential wiring, masonry fundamentals, forms and layout, site layout techniques, blueprints and building costs, and a required construction technology internship. Assessment of student learning objectives will be achieved through evaluation of students' performance on a comprehensive building project that will require their contribution in all areas of the planning, designing and building construction process.

### **Labor Market Information**

Labor market information provided by the college supports the interest in and need for a two-year degree program in this field of study. In addition to the proposed degree, the college recently added approved related certificates, Construction Technology Certificate and Basic Carpentry Certificate. The proposed degree will provide an educational ladder opportunity for students and graduates of both related programs. According to the Illinois Department of Employment Security, employment of construction trade workers is anticipated to grow by 7.9 percent and employment of construction managers is anticipated to grow by 13.1 percent statewide through 2018.

**Resources: Faculty, Staff, etc.**

One new part-time faculty member will be required to implement the program. Qualified faculty will hold a Bachelor's degree in Construction Trades, Construction Management or a related building trade, possess a minimum of five years related work experience, and a minimum of two years teaching experience. All facilities are currently in place to adequately support the proposed program. Costs to implement the program will be approximately \$36,105 the first year, \$31,605 the second year, and \$28,605 the third year. Aside from faculty costs, projected expenditures include the update of computers and related software, purchase of additional library resources, and some related equipment purchases. The program will otherwise be supported by student tuition and fees.

**Institutional Completion Rates**

*Criterion 1050.30(a)(1)(G) provides that success in student progression and graduation, and success rates in programs preparing students for certification and licensure, shall be consistent with expectations in higher education and the appropriate related field of study. At a minimum the Board shall consider these factors based on results for similar institutions. (i) Graduation rates, degree completion rates, retention rates, and pass rates for licensure and certification. (ii) The success rate shall be, at a minimum, higher than those of the lowest quartile of these measures for similar Illinois institutions defined as open versus competitive enrollment institutions, and primarily associate versus primarily baccalaureate granting institutions. Exceptions may be made to the lowest quartile if an institution is above the national average for these measures using the same comparison categories of institutions.*

Lincoln Trail College is in the primarily associate granting, open admission comparison group in Illinois. Cohort is based on those seeking an associates or undergraduate certificate only.

<u>Graduated/Transferred/Enrolled</u>	<u>Group Mean</u>	<u>Group Median</u>	<u>Rank</u>
69.7%	60.6%	60.7%	10/59
<u>Cohort Graduation Rate</u>	<u>Group Mean</u>	<u>Group Median</u>	<u>Rank</u>
31.6%	30.1%	24.3%	19/59
<u>Undergraduate Completions per</u>	<u>Group Mean</u>	<u>Group Median</u>	<u>Rank</u>
100 FTE			
29.4	29.0	25.9	25/59

Note: This new section is a work in progress as staff begin evaluating institutions and presenting augmented write-ups for Board consideration based on criteria that were added for explicit consideration under recently-adopted revisions to IBHE Rules. In the detailed analysis of this proposal, staff and institutional representatives did not have the opportunity to address the data in this table nor any concerns the information might have raised.

**Staff Conclusion.** Lincoln Trail 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 accreditation for licensure.

**Moraine Valley Community College**  
**9000 West College Parkway**  
**Palos Hills, Illinois 60465-2478**  
**President: Dr. Sylvia Jenkins**

**Proposed Program Title:** Associate in Applied Science in Baking and Pastry

*Projected Enrollments:* Moraine Valley Community College anticipates an enrollment of ten full-time and ten part-time students the first year, increasing to 30 full-time and 30 part-time students by the third year.

### **Introduction, Curriculum, and Assessment of Student Learning Outcomes**

Moraine Valley Community College is seeking approval to offer a 64-credit hour Baking and Pastry Associate in Applied Science (A.A.S.) degree. This program will prepare individuals for entry- to mid-level employment as bakers and pastry chefs in a variety of hospitality industry settings. The program consists of 19 credit hours of required general education coursework and 45 credit hours of required general education coursework. The career and technical component includes instruction in food service sanitation, introduction to hospitality, quantity food production, menu writing and marketing, introductory and intermediate baking and pastry arts, cake decorating, artisan breads, chocolate and confectionary artistry, restaurant and buffet dessert, nutrition for food service management, concepts of hospitality cost control, and a required hospitality internship. The program will prepare students for the required Food Service Sanitation certification through the Illinois Department of Public Health. Assessment of student learning objectives will be achieved through several methods of evaluation. One such method will be through observation of the student's performance during the work-based learning component by program faculty and the worksite supervisor, while another method will be through the evaluation of a student portfolio containing artifacts of their educational achievement, such as recipes and photos of completed projects throughout the program.

### **Labor Market Information**

Labor market information provided by the college supports the interest in and the need for a two-year degree program in this field of study. According to the Illinois Department of Employment Security, the occupational outlook for bakers through 2018 is expected to be about as good as average, with competition for jobs in high-end establishments being keen across the state. Currently, the college offers a related Baking & Pastry Arts Certificate program. The proposed degree will provide educational ladder opportunities for certificate students/graduates, in addition to providing a strong fiscal base with existing resources.

### **Resources: Faculty, Staff, etc.**

The program will require three existing full-time faculty, one new full-time, and one new part-time faculty the first year. Qualified faculty hold a Bachelor's degree in Baking and Pastry Arts with two-four years related work experience and one-three years teaching experience. All facilities are adequately in place to support the proposed program. The program will cost approximately \$55,470 the first year, \$14,261 the second year, and \$8,940 the third year, but will otherwise be supported through student tuition and fees.

## Institutional Completion Rates

*Criterion 1050.30(a)(1)(G) provides that success in student progression and graduation, and success rates in programs preparing students for certification and licensure, shall be consistent with expectations in higher education and the appropriate related field of study. At a minimum the Board shall consider these factors based on results for similar institutions. (i) Graduation rates, degree completion rates, retention rates, and pass rates for licensure and certification. (ii) The success rate shall be, at a minimum, higher than those of the lowest quartile of these measures for similar Illinois institutions defined as open versus competitive enrollment institutions, and primarily associate versus primarily baccalaureate granting institutions. Exceptions may be made to the lowest quartile if an institution is above the national average for these measures using the same comparison categories of institutions.*

Moraine Valley Community College is in the primarily associate granting, open admission comparison group in Illinois. Cohort is based on those seeking an associates or undergraduate certificate only.

<u>Graduated/Transferred/Enrolled</u>	<u>Group Mean</u>	<u>Group Median</u>	<u>Rank</u>
60.7%	60.6%	60.7%	30/59
<u>Cohort Graduation Rate</u>	<u>Group Mean</u>	<u>Group Median</u>	<u>Rank</u>
15.9%	30.1%	24.3%	45/59
<u>Undergraduate Completions per 100 FTE</u>	<u>Group Mean</u>	<u>Group Median</u>	<u>Rank</u>
16.4	29.0	25.9	49/59

Note: This new section is a work in progress as staff begin evaluating institutions and presenting augmented write-ups for Board consideration based on criteria that were added for explicit consideration under recently-adopted revisions to IBHE Rules. In the detailed analysis of this proposal, staff and institutional representatives did not have the opportunity to address the data in this table nor any concerns the information might have raised.

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

The staff recommends adoption of the following resolutions:

*The Illinois Board of Higher Education hereby grants authority to Frontier Community College to offer the Associate in Applied Science (A.A.S.) in Construction 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 Lincoln Trail College to offer the Associate in Applied Science (A.A.S.) in Construction 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 Moraine Valley Community College to offer the Associate in Applied Science (A.A.S.) in Baking and Pastry 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.*

