



Florida Job Growth Grant Fund Workforce Training Grant Proposal

Proposal Instructions: The Florida Job Growth Grant Fund Proposal (this document) must be completed and signed by an authorized representative of the entity applying for the grant. Please read the proposal carefully as some questions may require a separate narrative to be completed.

Entity Information

Name of Entity: Florida Keys Community College

Federal Employer Identification Number (if applicable): _____

Contact Information:

Primary Contact Name: Brittany Snyder

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Workforce Training Grant Eligibility

Pursuant to 288.101, F.S., The Florida Job Growth Grant Fund was created to promote economic opportunity by improving public infrastructure and enhancing workforce training. This includes workforce training grants to support programs offered at state colleges and state technical centers.

Eligible entities must submit proposals that:

- Support programs and associated equipment at state colleges and state technical centers.
- Provide participants with transferable and sustainable workforce skills applicable to more than a single employer.
- Are offered to the public.
- Are based on criteria established by the state colleges and state technical centers.
- Prohibit the exclusion of applicants who are unemployed or underemployed.



1. Program Requirements:

Each proposal must include the following information describing how the program satisfies the eligibility requirements listed on page 1.

A. Provide the title and a detailed description of the proposed workforce training.

The Florida Keys Community College Construction Technology Program will be a state of the art training facility to prepare skilled workers for jobs in Florida's rapidly growing construction sector. Florida Keys Community College (FKCC) is poised to launch a Construction Technology program to promote and improve construction education in our geographic area by providing construction management, HVAC, welding, electrical, plumbing, and carpentry training for entry-level practitioners in residential and commercial construction. The program will include technical certifications in air conditioning, refrigeration, and heating technology, applied welding technologies, and plumbing technologies. In addition, apprenticeships in air conditioning, carpentry, electrical construction, and plumbing will be included. Upon successful completion of the program, students will be qualified for positions as building construction technicians, responsible for performing a variety of job functions, from hands-on work to supervision.

B. Describe how this proposal supports programs at state colleges or state technical centers.

Florida Keys Community College (FKCC) is the leading provider of workforce higher education in our community. For more than 50 years, FKCC has produced business and hospitality leaders, nurses, marine engineers, and others who have helped to position the Florida Keys as a top global destination. The College has demonstrated a remarkable response to the local economy workforce demands and stands ready with a long-term sustainable and viable solution to the above challenge. This new program will be designed using the state curriculum frameworks and will include classroom as well as instruction in a training facility and in internships with local businesses.

C. Describe how this proposal provides participants transferable, sustainable workforce skills applicable to more than a single employer.

Within the Nation's \$1.7 Trillion construction sector, Florida ranks fourth for growth with a 12-month gain of 7.9 percent. Florida's economy is forecasted to outpace the



rest of the country for the next four years, pushing the state toward a \$1 trillion economy by 2018. Construction and population growth are two key contributing factors in the forecasted growth; unfortunately, the local labor market is unable to meet this demand.

In particular, the Florida Keys are poised for expansive growth and development. There is a real, current need for skilled workers to meet the increasing demand in this geographic area, and there are no training facilities with programs comparable to the one being proposed. A plethora of employers from local contractors designing and building homes and businesses and regional building companies developing planned communities and shopping centers to international construction companies building new resorts are all urgently seeking skilled tradespersons to fill positions.

D. Does this proposal support a program(s) that is offered to the public?

Yes No

E. Describe how this proposal is based on criteria established by the state colleges and state technical centers.

Building upon the curriculum frameworks set forth by the state, the new Construction Technology Program will graduate students who are qualified for a position as an entry-level building construction technician, responsible for performing a variety of job functions, from hands-on work to supervision. Construction jobs today are more complex than ever. Construction managers coordinate and supervise the process from the conceptual development stage through construction, making sure that the project gets done on time and within budget. Once the program is established, FKCC plans to seek accreditation of the Construction Technology program from the American Council for Construction Education (ACCE). The ACCE is the accrediting body for two- and four-year construction management programs in the United States.

F. Does this proposal support a program(s) that will not exclude unemployed or underemployed individuals?

Yes No

- G. Describe how this proposal will promote economic opportunity by enhancing workforce training. Please include the number of jobs anticipated to be created from the proposed training. Further, please include the economic impact on the community, region, or state and the associated metrics used to measure the success of the proposed training.

For the Florida Keys economy to succeed, an adequate supply of appropriately skilled and experienced construction workers is essential. This circumstance combined with an unprecedented unemployment rate of 2.3% has created a critical situation. Limited supply and high demand for skilled construction workers have produced negative results:

- A) Loss to the economy in terms of lower productivity;
- B) Potential use of workers who are not properly trained and educated;
- C) Delay in services due to a lack of available workers;
- D) Increase in construction costs as skilled workers must be transported and housed from other counties and states.

Technological developments and a growing population drive the demand for graduates of the Construction Technology program. Job growth nationwide will rise at an average level, with a 5% percent increase in new jobs for construction managers expected through 2024, according to the Bureau of Labor Statistics. Nationally, salaries in construction management range from \$53,740 to \$158,330.

Graduates of the FKCC Construction Technology program may find employment as:

- Pipelayers
- Plumbers
- Roofers
- Land and project developers
- Estimators
- Schedulers
- Project managers
- Building inspectors



- First-line supervisors
- Construction managers
- Managers of construction trades and extraction workers

According to the Department of Labor, Construction and Building Inspectors will a 2.58% rate of annual growth, while Construction Managers, Cost Estimators, Electricians and Plumbers will see rates of growth between 1.53% and 1.85%. Clearly, these are fields in which continued, sustained employment is likely. Most of the occupations for which training will occur stand out as among the most highly paid at entry and median levels per the Targeted Occupation List (TOL). Construction Managers and Inspectors are hired at over \$20/hour, while plumbers, HVAC technicians and electricians will start at about \$15/hour. Rapid advancement within these sectors is possible with industry certifications and union membership.

In addition to general enrollment, graduation and employment rates, other metrics to determine programmatic effectiveness include demographic data, enrollment, academic performance, student progression data, average class size for courses within the program, instructional costs and achievement of industry certifications by students (if applicable).

2. Additional Information:

A. Is this an expansion of an existing training program? Yes No

If yes, please provide an explanation for how the funds from this grant will be used to enhance the existing program.

B. Does the proposal align with Florida’s Targeted Industries? (View Florida’s [Targeted Industries here.](#))

Yes No

If yes, please indicate the targeted industries with which the proposal aligns.

If no, with which industries does the proposal align?

Sustainable Building Products



C. Does the proposal align with an occupation(s) on the Statewide Demand Occupations List and/or the Regional Demand Occupations List? (View Florida's [Demand Occupation Lists here.](#))

Yes No

If yes, please indicate the occupation(s) with which the proposal aligns.

If no, with which occupation does the proposal align?

The Construction Technology Program aligns with multiple occupations included on the Statewide Demand Occupations List; including, 472031 carpenters, 119021 construction managers, 472111 electricians, 471011 first line supervisor of construction, 499021 heating, AC and refrigeration mechanics, 472152 plumbers, pipefitters and steamfitters, 472181 roofers, and 512141 welders, cutters, solderers.

D. Indicate how the training will be delivered (e.g., classroom-based, computer-based, other).

If in-person, identify the location(s) (e.g., city, campus, etc.) where the training will be available.

If computer-based, identify the targeted location(s) (e.g. city, county, statewide) where the training will be available.

The Construction Technology Program will be offered at the Key West campus of the college and will include classroom-based and computer-based instruction as well as hands-on training and internships. Designed to prepare the students for numerous industry standards and practical certifications, instruction will consist of academic as well as laboratory and hands-on training. As such, FKCC intends to construct a Construction Technology building on its main campus to provide classrooms and state-of-the-art laboratories shop setting to develop students' technical skills. In addition to practical training, traditional classroom work will include technical-related theory, safety, mathematics, and science.

A \$15 million investment to build a new 30,000 square foot state-of-the-art Construction Technology building on the College's main campus to provide simulated and field based education and training. The facility would be designed and built to the LEED Platinum certification and reflect the latest in sustainable building practices.



E. Indicate the number of anticipated enrolled students and completers.

Enrollment data is projected using a cohort model of 40 students in year 1 for the launch of the program. A retention rate of 60% was applied with an initial growth rate of 50% between years 1 and 2, 33% between years 2 and 3, and 12.5% between years 3 and 4. The initial high growth rate is attributed to the program launch. A completion rate of 50% is estimated. By the end of year 4, FKCC will be serving 150 students in the program with an estimated 30 graduates per year.

F. Indicate the length of program (e.g., quarters, semesters, weeks, etc.), including anticipated beginning and ending dates.

Begin Date: The Construction Technology program is an associate degree program with various certificate programs embedded with the curriculum. The anticipated program launch date is January 2019.

End Date: _____

G. Describe the plan to support the sustainability of the proposal.

In addition to providing a comprehensive Construction Technology training program that will serve the community well into the future as the need for skilled workers grows and changes, other positive workforce implications include:

1) The new program will require new positions -

POSITION	# Jobs
Department Chairperson	1
Full-time Faculty	3
Part-time Faculty	10
Custodial Staff	.5
Laboratory Assistants	5

2) The Florida Keys will be well-positioned with sufficient labor resources to support the construction demand and to maintain its position as a global destination.

3) The building will be LEED Platinum certified, the first in Monroe County.

- 4) Every dollar a student invests in education at FKCC receives a \$5.80 return.
- 5) The new building would serve an estimated 150 additional students each year, a 10% increase over current College enrollment. Given FKCC's \$54.9 million annual impact on Monroe County, a 10% increase would equate to an additional annual \$5.5 million positive impact to the Keys' economy.

H. Identify any certifications, degrees, etc. that will result from the completion of the program. Please include the Classification of Instructional Programs (CIP) code if applicable.

FKCC plans to seek accreditation of the Construction Technology program from the American Council for Construction Education (ACCE). The ACCE is the accrediting body for two- and four-year construction management programs in the United States. Students who complete the program will graduate with an Associate of Science degree and be eligible for transfer to a four-year college or to immediately begin working in a skilled trade.

In addition, the applicable CIP codes are: 15.1001, Construction Engineering Technology/Technician; 46.0412, Building/Construction Site Management/Manager; 46.0403, Building/Home/Construction Inspection/Inspector; 46.0503, Plumbing Technology/Plumber; 15.0501, Heating, Air Conditioning and Refrigeration Technology/Technician (ACH/ACR/ACHR/HRAC/HVAC/AC Technology); and 46.0502 Pipefitting/Pipefitter and Sprinkler Fitter. Multiple NCCER certificates will be embedded in the program.



I. Does this project have a local match amount?

Yes No

If yes, please describe the entity providing the match and the amount.

J. Provide any additional information or attachments to be considered for the proposal.

3. Program Budget

Estimated Costs and Sources of Funding: Include all applicable workforce training costs and other funding sources available to support the proposal.

A. Workforce Training Project Costs:

Equipment	\$ 2000000		
Personnel	\$ 1100000		
Facilities	\$ 10900000		
Tuition	\$ 940000		
Training Materials	\$ 60000		
Other	\$ _____	Please Specify:	_____
Total Project Costs	\$ 15000000		

B. Other Workforce Training Project Funding Sources:

City/County	\$ _____		
Private Sources	\$ _____		
Other (grants, etc.)	\$ _____	Please Specify:	_____
Total Other Funding	\$ _____		

Total Amount Requested \$ 15000000

Note: The total amount requested must equal the difference between the workforce training project costs in 3.A. and the other workforce training project funding sources in 3.B.

- C. Provide a detailed budget narrative, including the timing and steps necessary to obtain the funding, how equipment purchases will be associated with the training program, if applicable, and any other pertinent budget-related information.

The College would require a year to build a new Construction Technology building. During this time, the curriculum will be finalized, instructors will be hired, equipment purchased, and students will be recruited. During the second year of the grant, the Construction Technology Program would be launched with an initial cohort of 40 students. By year five of the grant, the program will be serving 150 students per year with 30 graduates per year.

	Year	Year	Year	Year	Year
	One	Two	Three	Four	Five
Equipment	2,000,000				
Personnel		200,000	300,000	300,000	300,000
Facilities	10,900,000				
Tuition		96,000	201,600	284,160	358,240
Training Materials		10,000	15,000	15,000	20,000
Total	12,900,000	306,000	516,600	599,160	678,240

4. Approvals and Authority

- A. If entity is awarded grant funds based on this proposal, what approvals must be obtained before it can execute a grant agreement with the Florida Department of Economic Opportunity (e.g., approval of a board, commission or council)?

The College's president has authority to execute a grant agreement with the Florida Department of Economic Opportunity.

- B. If approval of a board, commission, council or other group is needed prior to execution of an agreement between the entity and the Florida Department of Economic Opportunity:

- i. Provide the schedule of upcoming meetings for the group for a period of at least six months.
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- ii. State whether that group can hold special meetings, and if so, upon how many days' notice.

- C. Attach evidence that the undersigned has all necessary authority to execute this proposal on behalf of the entity. This evidence may take a variety of forms, including but not limited to: a delegation of authority, citation to relevant laws or codes, policy documents, etc.

I, the undersigned, do hereby certify that I have express authority to sign this proposal on behalf of the above-described entity.

Name of Entity: Florida Keys Community College

Name and Title of Authorized Representative: Brittany Snyder, Vice President Academic Affairs

Representative Signature: _____

Signature Date: 7/29/17