2018-2019 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. If additional space is needed, attach a word document with your entire answer.

Entity Information

Name of Entity: Florida Keys Community College
Federal Employer Identification Number (if applicable): ________________________________

Primary Contact Name: John Rouge
Title: Director, Sponsored Programs
Mailing Address: 5901 College Road
Key West, Florida 33040
Phone Number: (305) 809-3179
Email: john.rouge@fkcc.edu

Secondary Contact Name: Lana Sielski
Title: Director, Marine Science and Technology
Phone Number: (305) 809-3214

Workforce Training Grant Eligibility

Pursuant to 228.101, 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:
(If additional space is needed, attach a word document with your entire answer.)

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.
   Florida Keys Community College Professional Welder College Credit Certificate program (See Attachment 1)

B. Describe how this proposal supports programs at state colleges or state technical centers.
   See Attachment 1

C. Describe how this proposal provides participants transferable, sustainable workforce skills applicable to more than a single employer.
   See Attachment 1

D. Describe how this proposal supports a program(s) that is offered to the public?
   See Attachment 1

E. Describe how this proposal is based on criteria established by the state colleges and state technical centers.
   See Attachment 1

F. Does this proposal support a program(s) that will not exclude unemployed or underemployed individuals?
   Yes  No
   See Attachment 1
G. Describe how this proposal will promote economic opportunity by enhancing workforce training. Please include the number of program completers 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.

See Attachment 1

2. Additional Information:
(If additional space is needed, attach a word document with your entire answer.)

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.

See Attachment 1

B. Does the proposal align with Florida’s Targeted Industries? (View Florida’s Targeted Industries here.) ☐ Yes ☐ No
   If yes, please indicate the specific targeted industries with which the proposal aligns.
   If no, with which industries does the proposal align?

Shipbuilding and Repair

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 Occupations List here.) ☐ Yes ☐ No
   If yes, please indicate the specific occupation(s) with which the proposal aligns.
   If no, with which occupation does the proposal align?

The proposal aligns with Welders, Cutters, Solderers, and Brazers, occupations listed on the statewide demand list.
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.

See Attachment 1

E. Indicate the number of anticipated annual enrolled students and completers in the proposed program.

See Attachment 1

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

Attachment

Begin Date: __________

Attachment

End Date: __________

See Attachment 1

G. Describe the plan to support the sustainability of the program after grant completion.

See Attachment 1

H. Identify any certifications, degrees, etc. that will result from the completion of the program. Please include the Classification of Instructional Programs (CIP) code and the percent of completer in each code, corresponding with Section E.

See Attachment 1

I. Does this project have a local match amount?

☐ Yes  ☐ No

If yes, please describe the entity providing the match and the amount (Do not include in-kind).

See Attachment 1
J. Provide any additional information or attachments to be considered for the proposal.

See Attachment 3-4

3. Program Budget
(If additional space is needed, attach a word document with your entire answer.)

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

1.) **Total Amount Requested** $131,312 
   Florida Job Growth Grant Fund

2.) **Other Workforce Training Project Funding Sources:**
   - City/County $________________
   - Private Sources $25,000
   Other (grants, etc.) $62,496 Please Specify: See Narr.
   Total Other Funding $87,496

3.) **Workforce Training Project Costs:**
   - Equipment $200,958
   - Personnel $________
   - Facilities $19,850
   - Tuition $________
   - Training Materials $________

   Other $________ Please Specify: __________
   **Total Project Costs** $220,808

**Note:** The total amount of the project should equal the total amount requested plus the total other funding.
4.) 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.

See Attachment 1

4. Approvals and Authority
(If additional space is needed, attach a word document with your entire answer.)

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.

ii. State whether entity is willing and able to hold special meetings, and if so, upon how many days' notice.

N/A

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.

The College's president has authority to execute a grant agreement with the Florida Department of Economic Opportunity. See Attachment 2 Board Rule 1.280.
I, the undersigned, do hereby certify that I have express authority to sign this proposal on behalf of the above-described entity and to the best of my knowledge, that all data and information submitted in proposal is truthful and accurate and no material fact has been omitted.

Florida Keys Community College

Name of Entity: ____________________________

Name and Title of Authorized Representative: Jonathan Guevera, Ed.D, President/CEO

Representative Signature: __________________

Signature Date: 12/12/2018
1. Program Requirements:
   A. Provide the Title and a detailed description of the proposed workforce training.

   Florida Keys Community College’s (FKCC) Professional Welder College Credit Certificate program will provide students with the opportunity to acquire the skills and knowledge required to enter the workforce as a welder. This will be Florida’s first certificate program in welding. This program will provide the skills, knowledge, and certifications for students to enter the workforce immediately as a professional welder. The program will train individuals to work in SOC codes 49-3051.00 – Motorboat Mechanics and Service Technicians, 49-9071.00 - Maintenance and Repair Workers, General, 51-4122.00 - Welding & Brazing Machine Setters, Operators & Tenders, 54-4121.00 – Welders, Cutters, Solderers, and Brazers, and 54-4121.06 – Welders, Cutters, and Welder Fitters. This certificate aligns under the parent program - A.A.S. in Marine Engineering, Management, and Seamanship and is part of the Marine Engineering, Management & Seamanship AAS degree program. A College Credit Certificate (CCC) consists of a program of instruction of fewer than 60 credits of college-level courses, which is part of an Associate of Science (AS) or Associate of Applied Science (AAS) degree program and prepares students for entry into employment. This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards. Students will gain relevant technical knowledge and skills needed to prepare for further education, and careers in the Transportation, Distribution, and Logistics career cluster. The program provides technical skill proficiency and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills. The program also provides knowledge of all aspects of the Transportation and Logistics career cluster. The content includes, but is not limited to, industry safety practices, common hazards, personal protective equipment, welding techniques, and positions using multiple welding processes including shielded metal ARC welding, gas metal ARC welding, and gas tungsten ARC welding.

   After successfully completing this program, the student will be able to:
   1. Perform basic shop practices
   2. Use service manuals and parts references
   3. Perform basic welding skills
   4. Perform corrosion experiments and understand corrosion control
   5. Demonstrate appropriate communication skills
   6. Demonstrate appropriate math skills
   7. Demonstrate appropriate understanding of basic science
   8. Demonstrate an understanding of entrepreneurship
   9. Demonstrate an understanding of auxiliary systems

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

Students attending FKCC may transfer clock or credit hour courses to any of Florida’s approved state college or state technical center programs. This new program is designed using Florida’s established curriculum frameworks. Consistent with the mission college’s and technical centers
statewide, the program will create a workforce training program, which aligns with local and state employment needs.

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

Emsi, a leader in labor market data collection projects a 36.4 percent increase in welding and associated occupations over the next decade in Monroe County. Currently, the county has no public educational facilities that offer training in this in high demand career. FKCC’s proposal will fund a much-needed regional training facility uniquely poised to offer a certificate program that is available nowhere else in the State. This CCC will prepare students with the knowledge and skills to safely and effectively perform gas metal arc welding (GMAW), metal inert gas (MIG) welding, and tungsten inter gas (TIG) welding. In addition, students will learn how to safely utilize plasma cutters. Welders are considered highly skilled and in high demand due to their unique skill set and the wide variety of occupations associated with the trade. Welders have the opportunity to work in shipyards, windmills, power plants, factories, as well as aqueduct and sewer authorities. They can work as automotive technicians, railroad maintenance technicians, in the medical field, or for aerospace companies. Regionally, Emsi predicts a 27.2 percent increase in the number of welders employed throughout Monroe, Collier, and Miami-Dade counties over the next 10 years. As certified welders, graduates of FKCC will have the ability to gain employment locally, statewide, and nationally.

D. Describe how this proposal supports a program(s) that is offered to the public?

As part of the Florida College System, FKCC is an open-access educational institution. As an open-access institution, FKCC provides an open door admissions policy to students who have a high school diploma or GED. The College offers open enrollment, allowing students the ability to apply and register for any term. FKCC’s goal is to minimize barriers to program entry. As such, the program can be completed in 15 weeks and FKCC anticipates the total cost of the professional welding certificate to be approximately $3,000 for students paying in-state tuition rates. As a College Credit Certificate program, students will be eligible for a variety institutional support to offset tuition and fees, including financial aid, scholarships, and veterans benefits. The program will be marketed to the public through College advertising, as well as through industry and community partnerships.

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

The College has provided the Florida Department of Education with documentation approved by the Florida College System. This includes faculty credentialing and qualification guidelines, curriculum framework, and an education pathway. The College has also demonstrated the compelling need for the program. The program is listed on the state Targeted Occupation List (TOL), with over 1,700 annual openings in Florida. This program offers a sequence of courses that provides; coherent and rigorous content, challenging academic standards, relevant technical knowledge, and skills needed to prepare for further education and careers in the Transportation,
Distribution and Logistics career cluster. In addition, the CCC is part of an AAS degree program and prepares students for entry into employment.

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

Yes, FKCC is an established training vendor for CareerSource South Florida. As a targeted occupation, the College anticipates offering career development in welding occupations to unemployed and underemployed individuals through the establishment of a service contract with CareerSource South Florida.

G. Describe how this proposal will promote economic opportunity by enhancing workforce training. Please include the number of program completers 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.

Welding and associated occupations command a higher than average mean hourly wage locally, statewide, and nationally, with a median pay of $19.35 per hour reported in 2017. The United States Bureau of Labor reports that leading industries in Monroe County, including accommodation, food service, and retail trade typically offer some of the lowest mean hourly wages across industries. Low wages, coupled with the high cost of living in Monroe County have a devastating effect on economic opportunity and mobility for many residents. FKCC seeks to improve opportunities and reduce barriers through improving the educational infrastructure and offer a pathway to high demand, high wage careers. As previously noted, welding and associated occupations provide residents with increased earning capability, allowing residents to support their family, provide for economic mobility, and allow for career growth and transportability. This rise in economic opportunity can be expected to have a lasting impact on the community as research suggests that for each $1,000 increase in a family’s income level that is sustained for two to five years, children in those families see an increase in school performance in a variety of measures, including academic test scores. Additional research shows that for each $3,000 a year in added income that children in a working-poor family receive before age 6, their average earnings increase by 17 percent in adulthood.

The College has seen the number of students participating in Marine Technology & Nautical Science (MTE) programs increase steadily, with MTE welding courses more than doubling in enrollment since 2016. The American Welding Society concluded that the average age of welders in the United States was approaching 60 years old. The demand for welders is expected to increase rapidly as the current workforce approaches retirement. According to the 2018-19 Florida Statewide Demand Occupations List, SOC code 51-4122.00 is an Enterprise Florida Inc. (EFI) targeted industry and is expected to have approximately 1,706 openings annually in Florida alone. The CCC is designed for students to complete the required coursework within one, 15-week semester, providing students a fast path to economic opportunity and mobility. The College expects to graduate 14 professional welders in the fall of 2019, and another 14 in the spring of 2020. The College will track enrollment and graduation rates to measure program success. Job
placement and income data of graduates is tracked at a state level and the College will incorporate this data in program assessment. In addition to the College Credit Certificate, with support from this grant, students will be certified through the American Welding Society as Certified Welders, commanding an even higher salary and providing further advancement and employment opportunities.

2. Additional Information

A. Is this an expansion of an existing training program? Yes
   i. If yes, please provide an explanation for how the funds from this grant will be used to enhance the existing program.

The College seeks to install a low vacuum fume control system for a total of 14 welding stations in the College’s welding facility. The proposal includes funding for associated electrical upgrades to the welding facility to accommodate the fume control system. The College has seen enrollment more than double in welding courses over the past two years. This institutional demand, coupled with the previously noted industry demand for qualified workers, will aid in meeting the targeted occupational demand goals regionally. Facility improvements will allow FKCC to expand program capacity and increase course offerings. Additionally, facility upgrades will allow the College to become an American Welding Society Accredited Test Facility, allowing students to achieve valuable industry certification on their pathway toward academic completion.

B. Does this proposal align with Florida’s Targeted Industries? Yes
   i. If yes, please indicate the specific targeted industries with which the proposal aligns.

Shipbuilding and Repair

C. Does the proposal align with an occupation on the Statewide Demand Occupation List and/or the Regional Demand Occupation list? Yes, the proposal aligns with Welders, Cutters, Solderers, and Brazers, occupations listed on the statewide demand list.

D. Identify how the training will be delivered?

Classroom-based training will be offered at FKCC’s main campus in Key West, Florida. Courses will offer a mix of traditional as well as hands-on instruction in the College’s welding facility. Courses will be offered throughout the day and evening in order to accommodate the needs of full and part-time students. In addition, to provide more flexibility to the students, the College will offer hybrid courses, which include a mix of web-based and face-to-face instruction.

E. Indicate the number of anticipated annual enrolled students and completers in the proposed program.

Enrollment data is projected using a cohort model of 28 students in year one for the launch of the program. This figure is based on the capacity of 14 welding stations in the facility and the
program running two terms per year. Should demand warrant, the College has the ability to add a third term, in the summer. As a new program, the College does not yet have established completion figures, but anticipates higher than average program completion due to the condensed program model.

F. Indicate the length of the program, including anticipated beginning and ending dates.

The program includes 16 credit hours of instruction. Full-time students will be able to complete the program in one 15-week academic semester (see figure 1); however, students who elect to take less than 16 credit hours will take longer to complete the program. Typically, courses will begin during the College’s fall academic term in August. Full-time students will complete in December, while part-time students may complete in May of the following year.

**Figure 1**

![Course Schedule](image)

G. Describe the plan to support the sustainability of the program after grant completion.
Grant funds will be used to support improvements to the College’s welding facility. Upon completion, the College intends for the program to be self-supporting through program tuition, lab fees, and state-approved workforce funding. As a College Credit Certificate program, students will be eligible for a variety institutional support to offset tuition and fees, including financial aid, scholarships, and veterans benefits. Enrollment trends in the program forecast a self-sustaining program for years to come, as employment data shows a critical need for welders in the workforce.

H. Identify any Certification, degrees, etc, that will result from the completion of the program. Please include the classification of Instructional Programs (CIP) code and the percent of completer in each code, corresponding with Section E.

The program will offer a Professional Welder College Credit Certificate. As the first of its type in Florida, the CCC is currently pending approval from the Florida Department of Education, at which point a CIP code will be provided. In addition, upgrades to the facility will allow the College to apply for accreditation as an American Welding Society Accredited Testing Facility. This certification will allow the program to earn additional income by offering specialized testing and certification.

I. Does this project have a local match amount?

In support of the expansion and improvement of the FKCC welding program the College has purchased fourteen multi-process welders with a value of $62,496. In addition, the Florida Keys Educational Foundation will match up to $25,000 for welding facility improvements.

4. 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.

Equipment – Materials, freight, and installation of a low vacuum weld fume control system for a total of 14 welding booths. This will be purchased with a combination of Florida Keys Community Education Foundation matching funds ($5150) and requested grant funding ($131,312). The installation of this system is necessary for the expansion of the welding program. If awarded, FKCC procedure number 23.5 for purchasing will be followed, and it is expected that the purchase and installation can be completed within six months. $136,462

14 Multi-process welding units have been previously purchased using funds provided from the Florida Department of Education’s Carl D. Perkins Career and Technical Education Postsecondary Program grant ($12,763) along with FKCC state appropriations ($51,733). $64,496

Facilities – Electrical upgrades are required for the installation of the weld system, including removal of the current panel, installation and wiring for eight new welding machines, and upgrading six circuits for existing welding machines. This will be purchased using matching funds provided by the Florida Keys Community College Education Foundation, which are currently available. FKCC procedure number 23.5 for purchasing will be followed, and it is expected that the purchase and installation can be completed within two weeks. $19,850
The District Board of Trustees shall constitute the contracting agent of the college. The Board shall approve all contracts in excess of that authorized to be approved by the president by appropriate statute and rule. The Board authorizes the use of facsimile signatures on checks, personnel contracts, and when permissible, other college documents.

The Board authorizes signatory authority on college banking accounts to the president or his/her designee, and such signatory authority will remain in effect until changed. The Board may authorize temporary signatory authority to the vice chair of the Board or another Board member as necessary for operational efficiencies.

The president may negotiate and sign contractual agreements with outside agents in accordance with applicable statutes and rules.

The president may delegate the authority to negotiate contracts and to provide signatory authority as established by procurement guidelines stipulated in college administrative procedures.

The president may delegate to appropriate administrators the responsibility to maintain in safekeeping the facsimile signatures of those authorized by the Board to sign checks, personnel contracts, and when permissible, other college documents.
September 25, 2018

Florida Department of Economic Opportunity
107 East Madison Street
Tallahassee, Florida 32399

Florida Job Growth Workforce Training Grant Review Committee:

I write to express my strong support of Florida Keys Community College’s (FKCC) Workforce Training Grant application. FKCC has served the workforce needs of Monroe County for over 50 years. The College’s proposal provides for much-needed ventilation and electrical upgrades in the College’s welding facility. As part of the College’s marine engineering program, the project aligns with Grant Fund goals of providing transferable, sustainable, workforce skills in one of Florida’s targeted high demand occupations. Recently, the College has seen a significant increase in the number of students taking welding courses.

As such, the College has made substantial investments in program expansion. The College is requesting funds to upgrade ventilation and electrical systems, allowing the College to train more students, build a strong and diverse workforce, and meet the needs of the Florida Key’s community. Support from the Florida Department of Economic Opportunity and Enterprise Florida will help ensure FKCC has the resources needed to continue to effectively train Florida’s workforce.

Please do not hesitate to contact my office should you have any further questions or concerns.

Sincerely,

Anitere Flores
President Pro-Tempore
District 39
October 5, 2018

Florida Department of Economic Opportunity
107 East Madison Street
Tallahassee, Florida 32399

Florida Job Growth Workforce Training Grant Review Committee:

I write to express my strong support of Florida Keys Community College’s (FKCC) Workforce Training Grant application. FKCC has served the workforce needs of Monroe County for over 50 years.

The College’s proposal provides for much-needed ventilation and electrical upgrades in the College’s welding facility. As part of the College’s marine engineering program, the project aligns with current fund goals of providing transferable, sustainable, workforce skills in one of Florida’s targeted high demand occupations. Recently, the College has seen a significant increase in the number of students taking welding courses. As such, the College has made substantial investments in program expansion. The College is requesting funds to upgrade ventilation and electrical systems, allowing the College to train more students, build a strong and diverse workforce, and meet the needs of the Florida Keys’ community. Support from the Florida Department of Economic Opportunity and Enterprise Florida will help ensure FKCC has the resources needed to continue to effectively train Florida’s workforce.

I strongly encourage the favorable consideration of this grant application and if I can answer any questions or provide any additional information please do not hesitate to reach out.

Sincerely,

Rep. Holly Raschein
State Representative
District 120

Committees: Natural Resources & Public Lands Subcommittee (Chair), Appropriations Committee, Government Accountability Committee, Agriculture & Natural Resources Appropriations Subcommittee, Agriculture & Property Rights Subcommittee, Tourism & Gaming Control Subcommittee