

SANTA FE COLLEGE

Office of the President

September 7, 2021

Mr. Dane Eagle
Executive Director
Department of Economic Opportunity
107 East Madison Street
Caldwell Building
Tallahassee, FL 32399-4120

Dear Mr. Eagle,

Please see the attached application from Santa Fe College for our Florida Job Growth Grant Fund – *Ralph W. Cellon Jr. Institute (RCI): Engineering Technology, Welding and HVAC/R Programs* – Workforce Training grant.

Santa Fe College is committed to providing our citizens with educational opportunities that fuel Florida's economy and job growth. We appreciate the opportunity to apply for these funds to develop our new *Ralph W. Cellon Jr. Institute*, which will house our new Engineering Technology with a specialization in Advanced Manufacturing and the expansion for our historically successful Welding and HVAC/R programs. This initiative will expand our capacity to train Floridians and, more importantly, place them into high-skill, high-wage jobs.

Should you have any questions, please contact Ms. Claudia Grant, Director for Sponsored Projects at (352)395-5496, or Mr. Liam McClay, Associate Vice President Governmental Affairs and Facilities Services at (352)395-5199.

Sincerely,



Paul Broadie II, Ph.D.
President

PB:pg



2021-2022 Florida Job Growth Grant Fund Workforce Training Grant Proposal

Proposal Instructions: Please read this document carefully and provide the information requested below. Some questions may request that a separate narrative be completed. If additional space is needed, attach a word document with your entire answer.

Entity Information

Name of Entity: Santa Fe College

Federal Employer Identification Number (if applicable):

Primary Contact Name: Claudia Grant

Title: Director for Sponsored Projects

Mailing Address: 3000 NW 83rd Street, Bldg. F, Room 217
Gainesville, Florida 32606

Phone Number: 352-395-5496

Email: claudia.grant@sfcolllege.edu

Secondary Contact Name: Liam McClay

Title: Associate Vice President Governmental Affairs and Facilities Services

Phone Number: 352-395-5199

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:

(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.

Please see Attachment 1 - Narrative

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

Please see Attachment 1 - Narrative

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

Please see Attachment 1 - Narrative

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

Please see Attachment 1 - Narrative

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

Please see Attachment 1 - Narrative

- 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 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.

Please see Attachment 1 - Narrative

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.

Please see Attachment 1 - Narrative

- 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?

Please see Attachment 1 - Narrative

- 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 Lists 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?

Please see Attachment 1 - Narrative

- 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, etc.) where the training will be available.

Please see Attachment 1 - Narrative

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

Please see Attachment 1 - Narrative

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

Begin Date: Attach 1

End Date: Attach 1

Please see Attachment 1 - Narrative & Attachment 3 - Addendum to 2 F.

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

Please see Attachment 1 - Narrative

- 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 completers in each code, corresponding with Section E.

Please see Attachment 1 - Narrative

- 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.)

Please see Attachment 1 - Narrative

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

Additional attachments include: 1) Narrative; 2) Budget Narrative; 3) Addendum to #2F (multiple charts); 4) Signature Authority; 5) Letters of Commitment and Support; and 6) Signature Page

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 \$ 1,788,887.00

Florida Job Growth Grant Fund

A. Other Workforce Training Project Funding Sources:

City/County	<u>\$ _____</u>
Private Sources	<u>\$ _____</u>
Other (grants, etc.)	<u>\$ 9,512,197.00</u>
Total Other Funding	<u>\$ 9,512,197.00</u>

Please Specify: See Attach 2

B. Workforce Training Project Costs:

Equipment	<u>\$ 2,101,699.00</u>
Personnel	<u>\$ 380,110.00</u>
Facilities	<u>\$ 8,779,275.00</u>
Tuition	<u>\$ 0.00</u>
Training Materials	<u>\$ 20,000.00</u>
Other	<u>\$ 20,000.00</u>
Total Project Costs	<u>\$ 11,301,084.00</u>

Please Specify: See Attach 2

Note: The total amount requested must be calculated by subtracting the total other workforce training project funding sources in A. from the total workforce training project costs in 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.

Please see Attachment 2 - Budget Narrative

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)?

Please see Attachment 1 - Narrative

- 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.

Please see Attachment 1 - Narrative

- 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.

Please see Attachment 4 - Signature Authority

WORKFORCE TRAINING GRANT PROPOSAL

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.

Name of Entity: Santa Fe College

Name and Title of Authorized Representative: Paul Broadie II, President, Santa Fe College

Representative Signature: See Attachment 6 - Signature Page

Signature Date: See Attachment 6 - Signature Page

Santa Fe College
Florida Department of Economic Opportunity
Job Growth Grant 2021-2022 Application
Attachment 1- Narrative

Attachment 1 – Narrative

1. PROGRAM REQUIREMENTS:

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

Title: Ralph W. Cellon Jr. Institute (RCI): Engineering Technology, Welding, and HVAC/R Programs

Manufacturing industries and the jobs they create are a cornerstone of Florida's economic future. Florida houses over 20,000 manufacturing companies with 383,000 workers, ranking 12th in manufacturing employment in the United States. Based on the *Florida Jobs 2030* analysis conducted by the Florida Chamber Foundation, Manufacturing is one of the five of Florida's target industries and is expected to grow and provide job opportunities for those with postsecondary certifications and associate degrees (source: <https://www.flchamber.com/research/research-programs/florida-jobs-2030>). There is also a high demand for trained and skilled workers in the manufacturing sector across the United States. According to Deloitte and the Manufacturing Institute, while close to 3.5 million manufacturing jobs will be created in the next decade in the United States, two million will go unfilled due to the lack of skilled and trained workers to fill these positions.

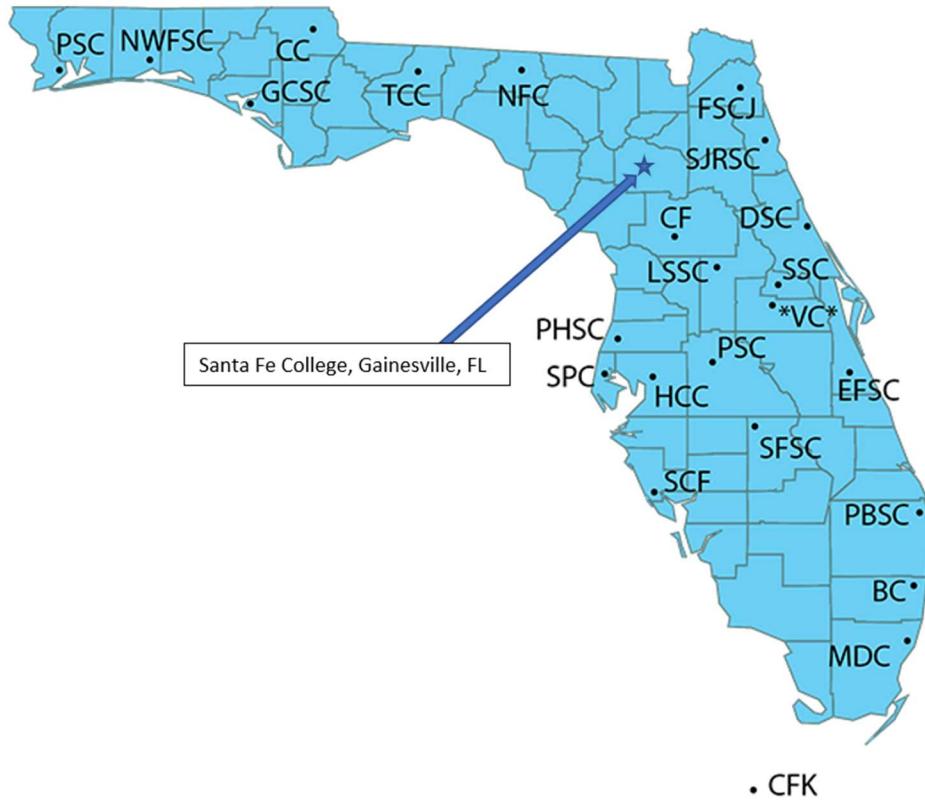
Santa Fe College main campus and its centers are housed in Alachua and Bradford counties, in which both counties have sustained growth in the manufacturing industries and workforce demands. Based on the 2020-2021 Florida Statewide Demand Occupation List for postsecondary adult vocational certificate and college credit certificate/Associate Degree, Alachua and Bradford counties' (Occupational Demand List Area 9, WDA9) manufacturing, welding, and HVAC/R workforce show a steady annual percent growth, compatible to the State (see table below.) The table also indicates a sustained annual occupational opening in manufacturing, welding, and HVAC/R sectors, meeting the statewide demand, especially in

Construction and Building Inspectors, Construction Managers, Industrial Machinery Mechanics, and Sheet Metal Workers. (Source: Florida Department of Economic Opportunity, Bureau of Workforce Statistics and Economic Research (WSER).)

SOC Code	Occupational Title	Annual Percent Growth (WDA9)	Annual Percent Growth (FL)	Regional (R) / Statewide (S) Demands	Annual Openings (R / S)
47-4011	Construction and Building Inspectors	1.35	1.35	S	1,007
11-9021	Construction Managers	1.26	1.26	S	2,853
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	0.82	1.17	R	45
51-1011	First-Line Supervisors of Production and Operating Workers	0.56	0.73	R	32
11-1021	General and Operations Managers	1.03	1.42	R	99
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1.08	1.62	R	58
49-9041	Industrial Machinery Mechanics	1.08	1.08	S	1,381
47-2211	Sheet Metal Workers	1.32	1.32	S	1,110
51-4121	Welders, Cutters, Solderers, and Brazers	0.50	1.14	R	48

In response to regional and statewide manufacturing workforce needs, Santa Fe College (SF) proposes a rapid and robust workforce training initiative at the new **Ralph W. Cellon Jr. Institute (RCI)**, opening in the Fall of 2023 at the Northwest Campus. The **RCI** will host the design and development of a brand-new associates degree in **Engineering Technology (ET)** with a specialization in **Advanced Manufacturing** and will double the size of its existing successful **Welding** and **HVAC/R** programs. The state-of-the-art 30,150 square-foot building will be constructed on the main Northwest campus, which will house the new labs, classrooms, offices, along a computer lab and multipurpose room. With the support of the Florida Job Growth Grant Fund, the new and expanded programs will rapidly educate and train highly skilled workers that will provide the much-needed workforce to create new jobs, attract new businesses to Florida, and promote economic growth.

According to The Florida Department of Education and the Florida Advanced Technological Education Center (FLATE), the North Central Florida region has a void of ET programs offered by Florida State Community Colleges. In the map below, Santa Fe College is located at the heart of North Central Florida, where no other community colleges offer ET programs in the area. SF's RCI is designed to fill this gap for individuals seeking ET training, certification, and degrees and fulfill the local workforce needs.



Map of ET programs offered at Florida State Community Colleges (FLATE)

Statewide industry demand will be served by SF's new and expanded education and training programs at **RCI**, as the physical infrastructure in the region is well established and continues to expand. The area served will include the ports of Jacksonville and Tampa, Interstate 75, other U.S. highways, a regional airport with frequent service to Atlanta, Charlotte, Miami, and Dallas, and growth in housing and business in general. High-skilled workers graduating from the programs at **RCI** will serve aerospace, health services, transportation, engineering, and manufacturing growth sector companies across Florida.

Alachua and Bradford counties are in the heart of Florida's Tech Corridor. This region is home to significant assets supported and utilized by SF's **RCI**. These assets include several emerging industry clusters, including a strong group of bioscience firms that produce medical devices, regenerative medicine, gene therapies, and pharmaceuticals powered by the tremendous research capabilities of the University of Florida's Colleges of Medicine, Engineering, and Liberal Arts and Sciences, as well as the Institute of Food and Agricultural Sciences (IFAS). Each year, the area benefits from creating more than ten new companies with the intent of commercially developing UF-owned innovations in medicine, life sciences, biotechnology,

medical devices, logistics, and manufacturing. Other expanding industry clusters in the region include software, web development, information technology, medical device fabrication, mechatronics, automation, and supply chain management. These are among the fastest-growing segments, with numerous startups launching annually. SF has supported this economic growth with active programs in rapid response job training through SF's Gainesville Technology Entrepreneurship Center (GTEC), and its Center for Innovation and Economic Development (CIED). GTEC and the CIED provide incubation space for industry companies as well as for other young startups.

The skills gap in America is showing no signs of closing, and the need for skilled trade workers is at an all-time high. Adding to that scenario, Americans value trade careers more than ever, and the college has seen sustained demand for these programs over the last ten years.

Welders in particular, half of all goods manufactured in America require a welder, making welding a recession proof career. At SF each fall, the college has been reaching capacity for both Welding with 34 students and HVAC/R with 18 students for the last 15 years. SF is obligated to place students on waiting lists and turn away dozens of potential students due to the lack of lab space, equipment, and an appropriate number of faculty positions to meet this sustained demand adequately. Another factor that drives the popularity of welding is that SF has many rural communities where students are exposed to welding in the local agriculture industries and on family farms. SF's new and expanded high-standard and high-quality workforce training, development, and education through **RCI** will further expand the opportunities and success of the programs and directly impact local and regional economic growth as the college will produce more skilled and trained workers.

Engineering Technology/Advanced Manufacturing Workforce Training:

At **RCI**, SF will establish a new Associate of Science (AS) degree program in **Engineering Technology (ET)** with a specialization track in **Advanced Manufacturing (ETAM)**. This program will offer a sequence of courses that provide coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Advanced Manufacturing Career Cluster. A breakdown of these jobs by category is discussed in section # **1.G** of this proposal.

The **common core** of the **Engineering Technology (ET)** programs consists of 18 credit hours of technical courses. These directly align with the nationally recognized Manufacturing Skills

Standards Council's (MSSC) that define the knowledge, skills, and performance that current front-line manufacturing workers need. The Council also recommends that all students complete the core first. After completing the core courses, students will progress to the **Advanced Manufacturing** specialization courses. Students will complete the entire program of 60 credit hours over four semesters.

The ET program provides technical skills proficiency, including competency-based applied learning, academic knowledge, higher-order reasoning, problem-solving, and work attitudes. General employability skills, occupation-specific skills, and knowledge are all also aspects of the manufacturing career cluster. ET content also provides communication and leadership skills, human relations, safe and efficient work practices. Through a combination of theory and laboratory activities, students will gain the necessary cognitive and manipulative skills to perform preventive and corrective maintenance. Students will also acquire knowledge in engineering design, processes, production, testing, and maintaining product quality. The **Engineering Technology A.S.** with specialization in **Advanced Manufacturing** courses will prepare students for employment with occupational titles such as Manufacturing Engineering Technician, Advanced Manufacturing, and Production Technician. The courses can also provide supplemental training for previous or current employees in these occupations.

Following the Florida Department of Education Curriculum Framework, 2021-2022 (p. 3 and 7), after completing the **Engineering Technology A.S. degree**, students will be able to demonstrate:

- An understanding of industrial processes and material properties
- An ability to generate and interpret computer-aided drawings
- Fundamental knowledge of electricity and electronics
- Knowledge of industrial safety, health, and environmental requirements
- Proficiently in the use of quality assurance methods and quality control concepts
- Proficiency in using tools, instruments, and testing devices
- Basic troubleshooting skills
- Appropriate communication skills
- Appropriate math skills
- An understanding of modern business practices and strategies
- Employability skills

After completing the **specialization courses** in **Advanced Manufacturing**, students will be able to:

- Understand, operate, troubleshoot, and maintain pneumatic, hydraulic, and electromechanical components and systems
- Identify lean and six sigma concepts in manufacturing environments
- Operate industrial automation systems
- Apply the principles of robotics to automated systems
- Use human-machine interfaces proficiently to operate automated systems
- Identify, implement and interpret supply chain and operations management concepts and techniques

Welding Technology & HVAC/R Workforce Training:

The **SF Welding Technology Certificate** program prepares students to enter the workforce with various welding skills and certifications. Students are trained in the industry's latest equipment and are taught by experienced instructors. The program, accredited by the American Welding Society, offers 20 different welding certification tests to students and industry workers, enabling graduates of the program to receive higher wages when entering the workforce.

After completing the **specialization courses** in **Welding Technology**, students will be able to:

- Demonstrate understanding of and apply welding safety in accordance with ANSI Z49.1
- Produce welded assemblies using Shielded Metal Arc welding that meets AWS D1.1 standards
- Produce welded assemblies using Gas Metal Arc welding that meet AWS D1.1 standards
- Produce welded assemblies using Flux Cored Arc welding that meet AWS D1.1 standards
- Produce welded assemblies using Gas Tungsten Arc welding that meet AWS D1.1 standards
- Interpret technical drawings and ANSI welding symbols
- Produce groove welds on carbon steel pipe using Shielded Metal Arc welding that meet ASME Section IX standards
- Produce groove welds on carbon steel pipe using Gas Tungsten Arc welding that meet ASME Section IX standards

- Produce groove welds on heavy wall carbon steel pipe using a combination of Shielded Metal Arc and Gas Tungsten arc welding that meet ASME Section IX standards
- Interpret technical drawings and ANSI welding symbols to complete a project using standard pipe fittings
- Produce groove welds on stainless steel pipe using Gas Tungsten Arc welding that meet ASME Section IX standards
- Perform a welder qualification test administered through an AWS accredited test facility

Heating, ventilation, air conditioning, and refrigeration (HVAC/R) mechanics and installers work for plumbing, heating, air conditioning contractors, and various industries throughout the country, reflecting a widespread dependence on climate-control systems. Some work for fuel oil dealers, refrigeration and air conditioning service and repair shops, schools, and stores that sell heating and air conditioning systems. Federal and local government, hospitals, office buildings, and other significant air conditioning, refrigeration, or heating systems also employ these workers. Some are self-employed. With average job growth and numerous expected retirements, heating, air conditioning, refrigeration mechanics, and installers should have excellent employment opportunities. SF offers a one-year certificate in **HVAC/R** to meet this demand for skilled mechanics. This program is designed to enable individuals to acquire the knowledge and skills necessary for entry-level employment.

After completing the **specialization courses** in **HVAC/R**, students will be able to:

- Demonstrate proficiency in safety practices and usage of testing equipment associated with the HVAC/R industry
- Demonstrate the knowledge and ability to use the pressure-temperature relationship of refrigerants by using manifold pressure gauges, thermometers, and temperature/pressure charts
- Demonstrate knowledge of airflow and movement as it affects health, safety and comfort of a building and HVAC controls for indoor air quality
- Demonstrate abilities of good customer relations in the home or business environment and promote goodwill in the HVAC/R service industry
- Show ability to perform diagnosis and troubleshooting of HVAC/R systems that need repair

The general focus of the **Engineering Technology, Welding, and HVAC/R** programs is broad, transferable skills, and stresses the understanding and demonstration of the following elements of Engineering Technology and Industrial Applications: production materials and processes; quality control; computer-aided drafting; electronics; mechanics; instrumentation; and safety. SF has leveraged strategies to increase student success while offering programs that provide high degree credential attainment, earnings outcomes, and equitable student results. SF is well qualified to be a driving force in this critical workforce component of Florida's economic engine. These technical jobs are essential to give traditional and other non-traditional students high-wage stable careers. These careers are well-suited for veterans returning to the workforce. SF is a leader in providing education for veterans and ranked "Best for Vets" college by Military Times (2021). SF is also an official U.S. Department of Veterans Affairs Vet Success location on its NW campus.

SF has been a leader in degree attainment amongst its peers within the Florida College System for the past five years and it has been recognized as a national model. SF has a track history of providing over 85% job placement rating for both Welding and HVAC/R students. SF's track record in providing effective training in partnership with CareerSource North Central Florida and local business and industry makes the proposed expansion of Welding, HVAC/R programs, and the new ET/ETAM program a natural addition to Florida's economic development and resiliency. The programs will engage local industry partners as Advisory Committee members to ensure continuous dialog and collaboration on how the program is addressing industry needs for trained technicians. The team will collaborate with CareerSource North Central Florida on job placement for graduates, and the Program Director and staff will develop and maintain a database to track participant progress and outcomes, including job placement within one year of graduation, program completion, student retention, graduation rate, and salaries.

With the support of FL Job Growth Grant, through RCI, SF anticipates in serving over 144 students in Engineering Technology AS program specializing in Advanced Manufacturing, Welding, and HVAC/R programs each year. Upon completion, these students will be well prepared to enter the manufacturing workforce, contributing to the local community and growing the state economy.

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

SF's **RCI** will expand the college's workforce training, development, and education, leading to local and regional economic growth. The new A.S. degrees in Engineering Technology, along with the expanded courses for Welding and HVAC/R will provide opportunities for individuals to earn credentials that will lead to job placement. Programs are aligned with the Florida statewide model for articulating industry-validated, transferable, and stackable credential-based degrees. The Florida Department of Education and the Florida Advanced Technological Education Center (FLATE) partnered with industry and colleges to produce the statewide Engineering Technology A.S. Degree Program. The core program aligns with the nationally recognized Manufacturing Skills Standards Council Certified Production Technician (MSSC-CPT) certification, and the degree reflects directly to Florida Bachelor of Science in Engineering Technology (BSET) degrees. In addition, coursework from the following five postsecondary vocational College Credit Certificate (CCC) programs may be applied to the Engineering Technology AS with Advanced Manufacturing specialization:

Core Programs	College Credit Certificate (CCC)
Automation	CCC 0615040601
Lean Manufacturing	CCC 0615061302
Mechatronics	CCC 0615000013
Pneumatics, Hydraulics, and Motors for Manufacturing	CCC 0615061303
Welding PSAV & Certificates	DOE Code: AWELD 003 - AWELD 014

The proposed new **Engineering Technology AS degree** also complements the existing Career and Technical Education (CTE) programs at SF. These include:

Programs	Degrees
Automotive Service Technology Certificate	Certification
Automotive Service Management Technology Associate in Applied Science	A.A.S.
Heating Ventilation Air Conditioning and Refrigeration (HVAC/R)	Certification
Welding Technology	Certification
Building Construction Technology	A.S.
Plumbing Technology	Certification

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

The ET program provides transferable, sustainable workforce skills applicable to more than one employer in two key pathways. First, the common program core is a sequence of 18 credit hours of instruction common to all eight specialization tracts within Engineering Technology, including Advanced Manufacturing. The courses are from the areas of instrumentation and

measurement, manufacturing processes and materials, quality, computer-aided drafting, electronics, and safety. This common technical core was designed to align with the nationally recognized Manufacturing Skills Standards Council's (MSSC) skills standards that define the knowledge, skills, and performance needed by contemporary manufacturing workers across all these specializations. The nationally recognized MSSC Production Technician Certification is a part of the state-articulated Engineering Technology A.S. program of study that is recognized as having proven transfer and job placement rates applicable to more than a single employer.

Also, the RCI program staff will be in continuous dialogue with partners across various manufacturing industries through the Advisory Committee. One of the primary purposes for creating and fostering these relationships with the industry is to ensure that the program successfully supports their various needs for trained employees. SF will partner with the following industries and companies who will provide a variety of services in partnership with RCI including, but not limited to offering expertise in training content development, serving in a project advisory role, providing hands-on training opportunities, referring individuals to the RCI programs, serving as prospective employers:

Company	Program	Offer expertise in training content development	Serve in a project advisory role	Provide hands-on training opportunities	Refer individuals to the program	Serve as prospective employers	Other
Bluegrass Educational Technologies	Manufacturing	X	X	X	X	X	
Goodwin Company	Manufacturing	X	X	X	X	X	
Fabco-Air	Manufacturing	X	X	X	X	X	
Festo Didactic Inc.	Manufacturing	X	X	X	X		Facilitate industry partners to recruit prospective employers
Oelrich Construction, Inc.	Manufacturing	X	X	X	X	X	Provide internships for students
Sandvik Mining & Rock Solutions	Manufacturing	X	X	X	X		Facilitate industry partners to recruit prospective employers
American Welding Society	Welding	X	X		X		Provide support for new workforce training programs

Airgas USA, LLC	Welding	X	X	X	X		Provide resources for safety & protective equipment
Crom, LLC	Welding	X	X		X	X	
E-One	Welding	X	X	X	X	X	
The Lincoln Electronic Company	Welding	X	X	X	X		Facilitate industry partners to recruit prospective employers
Miller Electric Mfg. LLC	Welding	X	X	X	X	X	
Weldtest Services, LLC	Welding	X	X	X	X		
Charles Perry Partners, Inc.	Welding & HVAC/R	X	X	X	X	X	
D.R. Baker Construction	Welding & HVAC/R	X	X	X	X	X	
Scherer Construction of North Florida, LLC	Welding & HVAC/R	X	X	X	X	X	
A+ Air Conditioning	HVAC/R	X	X	X	X	X	
Browning Heating & Air Conditioning, LLC	HVAC/R	X	X	X	X	X	
Charles Berg Enterprises, Inc	HVAC/R	X	X	X	X	X	
Comfort Temp Company	HVAC/R	X	X	X	X	X	
Newmans Heating and A/C, Inc.	HVAC/R	X	X	X	X	X	
Greater Gainesville, Chamber of Commerce	Manufacturing, HVAC/R, and Welding	<ul style="list-style-type: none"> Engage partners in the technology and manufacturing industry sectors to develop and implement engineering technicians in the engineering technology program, welding, and HVAC. 					
Career Source, North Central Florida	Manufacturing, HVAC/R, and Welding	<ul style="list-style-type: none"> Job matching and career counseling services Tuition assistance Access to paid and unpaid work experience in the advanced manufacturing occupations Occupational skill training in preparation for manufacturing Leadership development opportunities Support services Collaboration with Gainesville Area Chamber of Commerce and part of the statewide CareerSource Florida network to ensure the use of the program and equipment through services such as employed worker training, incumbent worker training, and job matching services to ensure trainees retain self-sufficient employment Participate as a member of the SF Advisory Board for ET A.S. degree program with a Specialization in Advanced Manufacturing 					

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

SF's **RCI** will be offered to the public through an open-admission policy with applicants meeting the minimum standards stated in Florida law as part of the Florida College System. In compliance with the statute, and the college is committed to providing equitable educational opportunities to all citizens pursuing admission, regardless of background. The initiative will conduct outreach and work with its industry partners to recruit participants in the Engineering Technology, Welding, and HVAC/R programs, to local and regional underserved communities. SF will also continue to offer and expand its dual enrollment programs for local High School students, from 6 students to 10 students each year on Year 1, and increase afterward. RCI staff will actively work with local school districts and conduct outreach to recruit students to take part in the dual enrollment programs.

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

All proposed Engineering Technology, Welding, and HVAC/R programs offerings are based on the Florida Department of Education (FLDOE) Curriculum 6 Frameworks, course numbers, and course descriptions, including prerequisite courses (please see attachment 3 for list of courses.) Thus, any enhancement of the equipment available to train students in these programs directly supports the learning outcomes articulated by the FLDOE. In addition, SF degree and certificate programs are recognized by external third-party accreditors, including the American Welding Society (Welding), HVAC Excellence (HVAC/R), and ET Accreditor, and are offered in response to the current manufacturing needs of the community.

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

Yes. SF is committed to providing equitable educational opportunities to all citizens pursuing admission, regardless of background, in compliance with the statute.

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 success of the proposed training.

The program anticipates 375 completers per five-year period with a 90% job placement. A conservative R.O.I. estimates 338 high wage-earning completers after five years of operation.

According to the Florida Department of Economic Opportunity (2021)*, Florida is home to over 21,812 manufacturing companies in the 4th quarter of 2020. In July 2021, manufacturing had 381,500 jobs in Florida, increasing 9,600 jobs over the year. (*Source:

<http://www.floridajobs.org/economic-data/monthly-data-releases>, Florida Manufacturing July 2021 Labor Statistical Data.) This proposal aligns with the following chart showing Florida's 2020-2028 employment projections for the targeted occupations through RCI. The openings for these occupational titles represent 93,610 jobs in Florida by the year 2028. Seven occupational categories are expected to have over 6% growth, with "General and Operations Managers" and "Industrial Machinery Mechanics" expected to grow over 11% by 2028.

SOC Code	Occupational Title	Employment 2020 (WDA9)	Employment 2020 Florida	Projected Employment 2020 (WDA9)	Projected Employment 2028 Florida	Percent of Growth 2020-2028 (WDA9)	Percent of Growth 2020-2028 Florida
47-4011	Construction and Building Inspectors	75	8,346	80	8,851	6.7%	6.1%
11-9021	Construction Managers	363	38,329	396	45,124	9.1%	17.7%
49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers	477	31,014	519	34,323	8.8%	10.7%
51-1011	First-Line Supervisors of Production and Operating Workers	299	25,217	317	26,910	6.0%	6.7%
11-1021	General and Operations Managers	1,765	127,139	1,973	144,291	11.8%	13.5%
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	661	34,777	711	38,091	7.6%	9.5%

49-9041	Industrial Machinery Mechanics	116	14,197	129	16,525	11.2%	16.4%
47-2211	Sheet Metal Workers	279	9,319	288	10,067	3.2%	8.0%
51-4121	Welders, Cutters, Solderers, and Brazers	123	15,136	123	16,588	0%	9.6%

As manufacturers across Florida have begun using Computer Numerical Control (CNC), Programmable Logic Controller (P.L.C.), and additive manufacturing processes, the demand for technicians has steadily increased. New manufacturers in biotechnology, medical devices, and related industries are located in the North Central Florida region. All of these employ advanced manufacturing equipment and processes that require skilled engineering technicians to set up, maintain, troubleshoot, and repair.

Graduates of the ET, Welding, and HVAC/R programs will provide approximately 75 technicians annually to address the critical needs of manufacturing partners for trained employees. The Bureau of Labor Statistics lists the 2020 mean wage for a Mechanical Engineering Technologists Technician (S.O.C. 17-3027) in Florida at \$26.60 per hour or \$55,330 annually, compared to the mean wage for Florida all occupations at \$24.05 per hour or \$50,020 annually. The mean wage has increased from \$24.21 per hour or \$50,360 annually in 2018. (Source: B.L.S. May 2020 State Occupational Employment and Wage Estimates Florida https://www.bls.gov/oes/current/oes_fl.htm, accessed 07/22/20).

The **metrics** to measure the program impact on the community will consist of quantitative data on enrollment, completion, graduation, and job placement of students in the ET with specialization in Advanced Manufacturing. Through collaboration with the instructors, students, and Advisory Committee members, the Project Director will conduct surveys to students, pre and post-course, and partners annually. The survey feedback will be aggregated to provide qualitative data to inform the program's success. ET will use all data, including the survey feedback, to determine and make needed changes for program improvement. Most importantly, the Project Director will ensure a responsive, collaborative relationship with industry partners by maintaining an open, ongoing dialogue with Advisory Committee members.

2. ADDITIONAL INFORMATION

A. Is this an expansion of an existing training program?

Yes, this project includes an expansion of SF's high-demand Welding and HVAC/R program and the development of Engineering Technology degrees with a specialization in the Advanced Manufacturing program.

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

The Institute is a synergistic expansion of successful existing programs that need new facilities and the establishment of the high-demand Engineering Technology AS degree. Currently, the Welding and HVAC/R programs are housed on the Northwest Campus in Building H. This facility was built in 1974 and has not been updated since its original construction. Significant structural problems limit enrollment and accelerate the need to demolish and replace substantial portions of the current structure. In addition, considerable improvements are needed to increase student access to these highly sought-after technical programs and modernize the teaching space to conform to industry standards. Currently, both Welding and HVAC/R programs are in high demand, with the college having a waiting list of individuals who wish to take the programs each year. With the funding from FL Job Growth Grant and the expansion plan embedded with the RCI for both Welding and HVAC/R, SF will accommodate twice the number of students. Welding will grow from 34 to 60 students, HVAC/R from 18 to 34 students, and continue to support the HVAC/R Apprenticeship program with 25 students.

In response to the high need and demand, the SF District Board of Trustees has dedicated \$8,779,275 to construct the RCI, which includes the relocation and expansion of both the Welding and HVAC/R programs as well as the addition of the new Engineering Technology degree program. SF received legislative approval to construct the new facility in 2021, and the construction is anticipated to begin during the summer of 2022, with the target of being ready to operate fully by the fall of 2023. With the industry demand for the new Engineering Technology degree and expanded Welding and HVAC/R programs, the required specialized equipment sought in this proposal has become imperative.

B. Does the proposal align with Florida's Targeted Industries?

Yes, the proposal aligns with Florida's Targeted Industries, as noted on page 1.

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

The Florida Targeted Industries with which the proposal aligns are Engineering, Computer Systems, HVAC/R, Electronics, Maintenance Repair, Welding, and Machine Tooling.

C. Does the proposal align with an occupation(s) on the Statewide Demand Occupations List and/or the Regional Demand Occupations List?

Yes.

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

The proposal aligns with occupations on the Statewide Demand Occupations Targeted Industry List and the Regional Demand Occupations List, which include:

Occupations	Statewide/Regional Demand
Construction and Building Inspectors	Statewide
Construction Managers	Statewide
First-Line Supervisors of Mechanics, Installers, and Repairers	Regional
First-Line Supervisors of Production and Operating Workers	Regional
General and Operations Managers	Regional
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	Regional
Industrial Machinery Mechanics	Statewide
Sheet metal Workers	Statewide
Welders, Cutters, Solderers, and Brazers	Regional

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 locations (e.g., city, county, statewide) where the training will be available.

The new Engineering Technology AS degree and the Welding and HVAC/R program training will be delivered in the classroom and lab-based format at the new RCI at Northwest Campus of Santa Fe College in Gainesville, Florida.

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

Through RCI, Santa Fe College expects to serve a total of 144 students each year comprised of 25 students in ET/ETAM, 60 students in Welding, 34 students in HVAC/R, and 25 students in HVAC/R apprenticeship programs when fully implemented. Recruitment will be strengthened by a pipeline created with the Alachua County Schools' middle and high school robotics courses will be articulated with the degree requirements at Santa Fe College through an inter-institutional articulation agreement. A 90% completion rate is anticipated. A conservative ROI estimate is 338 high-wage-earning graduates after five years of operation.

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

Begin Date: See explanation below. End Date: See explanation below.

Building Construction Begin Date: Summer 2022

SF's Welding and HVAC/R programs are currently active and will be ongoing in another facility on campus during construction. The program expansion will coincide with the completion of the project. The first cohort for **RCI: Engineering Technology, Welding and HVAC/R Programs** will begin in Fall 2023 upon completion of the new facility. The project will require facility planning and site development; a program advisory committee; hiring the instructional faculty, academic technology specialists, and academic administrative assistant; facility construction; equipment purchase and installation; and faculty and staff training. The entire project will be completed by Spring 2024. The ET program will be fully sustainable and ongoing by the end of the project period. The 60 credit-hour Advanced Manufacturing program will take students four semesters to complete. A full description is listed under the Project Timeline Chart provided in #3.1.C. of this narrative. Attachment 3: "Addendum to #2.F" details the ET completion timeline for students and the Course Descriptions for ET, Welding/Advanced Welding, and HVAC/R.

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

Santa Fe College has a strong historical record of long-term commitment to sustaining technical degree programs, due in part to the support of numerous local and regional affiliates of the

manufacturing industry. Industry affiliates include the CareerSource North Central Florida workforce board, companies such as Bluegrass Educational Technologies, Goodwin Company, Fabco-Air, Festo Didactic Inc., Oelrich Construction, Inc., Sandvik Mining & Rock Solutions, Exactech Inc., Endoscopy Replacement Parts Inc., Invivo, Milliken-Sivance, Nanotherapeutics, and Double Envelope, and the Greater Gainesville Chamber of Commerce Advanced Manufacturing Council. The ET Advisory Committee will be comprised of these and other local business representatives from the manufacturing community.

In addition to continuous engagement with industry partners, SF will incorporate replacement costs for program equipment upgrades into its annual college-wide planning process. The college will also continue to provide salary support for the RCI personnel, including Academic Technology Specialist and ET, Welding & HVAC Instructors. The SF Construction and Technical Program administration and faculty will also continue to work closely with local manufacturing industries, private businesses, and the Florida Technological Education Center (FLATE) and staff to grow student enrollment, support quality training, and provide job placement for program completers.

With the support of FL Job Growth Grant, SF will hire a new faculty member to instruct Advanced Manufacturing and supply new equipment to expand the number of students served at RCI. In Year 1, SF will double the student enrollment of Welding and HVAC/R programs and is expected to grow after Year 2 as both programs are in high demand and target statewide and regional workforce needs. With ET and ETAM programs, SF anticipates increasing student enrollment in Year 2, and the student enrollment is projected to grow after the funding ends as the ET and ETAM are also both high demands and needs both regionally and statewide. SF will have fully institutionalized the sustainment of the Institute by the end of the project period.

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

Below is a list of the Classification of Instructional Programs (CIP) code and the percentage of Completers for Welding, HVAC/R, and A.S. degree in Advanced Manufacturing:

Welding CIP codes:

- Welding Technology: CIP 0648050805

- Advanced Welding Technology: CIP 0648050806
- According to SF's Institutional Research, 90% of completers in Welding attain employment. Disaggregated data by CIP code is not available.

HVAC/R CIP codes:

- Heating, Ventilation, Air- Conditioning/Refrigeration: CIP 0615050110
- According to SF's Institutional Research, 85% of completers in HVAC/R attain employment. Disaggregated data by CIP code is not available.

Engineering Technology Associate of Science Degree (A.S.) with a specialization track in Advanced Manufacturing code:

- A.S. Degree in Engineering Technology – Advanced Manufacturing Specialization: CIP 1615000001
- Completer data is not available for this new program. It is anticipated that completion rates will be high.

The following industry certifications will also be available to students, depending on their contact hours, using the listed Mindsight Bluegrass equipment and software tools:

- NC3- Festo Industry Certification Program (FICP)- All of level1&2
- NC3- Feasto-3M Intro to Mechatronics Certification
- NC3- 3M Worker Health and Safety Awareness Certification
- Manufacturing Skills Standards Council (MSSC) Certified Production Technician (CPT)
- National Institute for Metalworking Skills (NIMS) Duty: 1,2,3,4,5,6, and 7, including credentials in Machining Level I and Industrial Technology Maintenance in the areas of Maintenance Operations, Basic Mechanical Systems, Basic Hydraulic Systems, Basic Pneumatic Systems, Electrical Systems, Process Controls Systems, Maintenance Welding and Maintenance Piping
- The Association for Packaging and Processing Technologies (PMMI) Mechatronics Certification Level 1 and 2
- Siemens Mechatronics Systems Certification Program (SMSACP)- Level 1 & 2
- NOCTI Manufacturing Certifications
- American Welding Society (AWS)
- OSHA 10 General Industry
- EPA 608 Refrigerant Recovery Certification

I. Does this project have a local match amount?

Yes, SF has committed \$8,779,275 to the construction of this much-needed facility. SF will also provide 1) salary costs for the Engineering Technology, Welding and HVAC/R Instructors, 2) equipment currently in use, 3) training materials, outreach, and marketing, and 4) recurring operational resources to sustain the Institute as cost share incentive.

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

Santa Fe College was established by the state legislature in 1965 as a “community 11 college” to offer broad access to quality higher education for the citizens of Alachua and Bradford counties. The demand for qualified technicians and employees in the community influences the offerings and associated allocated resources at Santa Fe College.

Each year SF identifies and dedicates human, current, and capital resources to programs after a needs-assessment process. The college meets an unexpected interim need by assigning adjunct instructors and speedy repair or replacement of equipment. SF will continue to dedicate appropriate portions of its budget to support the enhancement of the Engineering Technology AS program to sustain the high level of instruction for which the college is known.

Santa Fe College is providing a match of **\$9,512,197**. The match is comprised of the following: 1) \$8,779,275 committed for construction of the Institute of Technology and Manufacturing; 2) welding equipment currently in use and additional equipment for which funds have already been allocated (estimated at \$312,812); 3) Personnel salary and benefits for ET, Welding, and HVAC/R Instructors (\$380,110); 4) Training materials (\$20,000); and 5) Outreach/Marketing (\$20,000).

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

Additional attachments include: 2) Budget Narrative; 3) Addendum to #2F (multiple charts); 4) Signature Authority; 5) Letters of Commitment and Support; and 6) Signature Page.

3. PROGRAM BUDGET

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** **\$1,788,887**

Florida Job Growth Grant Fund

A. Other Workforce Training Project Funding Sources:

City/County	\$0
Private Sources	\$0
Other* (grants, etc.)	\$9,512,197
Total other funding	\$9,512,197

***Other:** Please Specify: See Attachment 2 - Budget Narrative

B. Workforce Training Project Costs:

Equipment	\$2,101,699
Personnel	\$380,110
Facilities	\$8,779,275
Tuition	\$0
Training Materials	\$20,000
Other*	\$20,000
Total Project Costs	\$11,301,084

***Other:** Please Specify: See Attachment 2 - Budget Narrative

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.

This proposal requests funding for the equipment, materials, software, and other costs (please check) required to support essential technical training and experience for students in the new ET degree program. The Project Timeline below outlines the work done during the grant period after the grant award announcement. This includes Building Completion; Faculty and Academic Technology hiring; equipment purchases and installation, and faculty and staff training in the Mindsight integrated equipment and software system.

Project Timeline: June 1, 2022 – May 31, 2024				
Strategy	Key Staff	Process	Outcome	Time
Welding Program	Welding Faculty, Director	Cohorts continue through the existing program	Graduates continue with strong job placements	Ongoing
HVAC/R Program	HVAC/R Faculty, Director	Cohorts continue through the existing program	Graduates continue with strong job placements	Ongoing
Recruit and appoint ET Advisory Committee	Department Director, Board Members	Formalize A.C. scope and roles, meetings held	Advisory Board provides input to develop the program	Ongoing
Construction of the new facility	Facilities Services, Department Director	Complete site development & building construction	Building for new program and expansion of Welding and HVAC/R	Summer 2022-Fall 2023
Equipment, curriculum, and training material ordering	Department Director, AC, RCI Faculty	Scheduled meetings	State-of-the-art equipment	Fall 2022-Spring 2023
Hire new ET Instructional faculty	Department Director, HR dept.	Follow standard HR process	Qualified staff ensures continued operations	Spring 2023
Welding Program Expansion	Welding faculty, Director	Expansion of Welding Program fully implemented	Recruitment of expanded Welding cohort	Fall 2021
HVAC/R Program Expansion	HVAC/R faculty, Director	Expansion of HVAC/R fully implemented	Recruitment of expanded HVAC/R cohort	Fall 2021
ET four-semester program begins	Department Director, AC, RCI Faculty	ET programs fully implemented	Recruitment of 1 st ET Cohort	Fall 2023
Welding program expansion at the RCI	Welding faculty, Director	Expansion of Welding Program fully implemented	Completion of 1 st Welding Cohort	Fall 2023
HVAC program expansion at the RCI	HVAC/R faculty	Expansion of HVAC/R Program fully implemented	Completion of 1 st HVAC/R Cohort	Fall 2023
ET four-semester program at the RCI	Department Director, AC, RCI Faculty	ET programs fully implemented	Completion of 1 st E.T. Cohort	Fall 2023

The **Budget Narrative (see attachment 2)** outlines all other timelines for expenditures under their respective areas. All college and state purchasing procedures, including bid process and approvals, will be followed purchasing of equipment.

The Addendum to #2.F (see attachment 3) details the timeline of the 4-semester degree program and the description of the courses.

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 proposal must be approved by the Santa Fe College Board of Trustees. This proposal will be submitted to the Board of Trustees for approval at the Board meeting on October 19, 2021. A copy of this approval will be available to 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.

SF Board of Trustees meetings are scheduled for the following dates: October 19, 2021; November 16, 2021; January 18, 2022; February 15, 2022; April 19, 2022.

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

Special meetings of the Board can be called at any time by the Chairperson, or by the President of Santa Fe College, or the majority of the Board. Except in the case of emergency meetings, seven days' notice is required (see Section 120.525 of the Florida Statutes).

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.

See attachment 4 - Signature Authority

Attachment 2 - Budget Narrative

Ralph W. Cellon Jr. Institute (RCI): Engineering Technology, Welding, and HVAC/R Programs

Grant Period: 6/1 2022 - 5/31 2024

BUDGET	YEAR 1 6/1/2022- 5/31/2023	YEAR 2 6/1/2023- 5/31/2024	TOTAL
EQUIPMENT			
Welding Lab Equipment - Welding machines to fully equip the welding booths, equipment for the new fabrication area in the laboratory, double the equipment currently being used for Oxy-fuel cutting and plasma cutting, storage for materials and tools, shop tools, and a fork lift for material handling and student training. CV/CC Welding Power Supply (machine) with Accessories (\$7,000x20=\$140,000), CC AC/DC GTAW Power Supply (machine) (\$7,000x10=\$70,000), Oxy Fuel Cutting Rigs (\$1,200x3=\$3,600), Ocy Fuel Cutting Station (\$2,000), Plasma Track Torch with Power Supply (\$7,500), Fume System (\$185,000), 30 Welding Booths with curtains (\$75,000), Welding Stands (\$600x30=\$18,000), Wire Lockers (\$400x30=\$12,000), Down Draft Grinding Stations (\$5,000x8=\$40,000), Welding Wire Storage Oven (\$6,700), Welding tables with fixturing (\$4,500x4=\$18,000), Drill Press (\$6,200), Ironworker (shear) (\$22,000), Band Saw (\$14,000), Shop Tools (power and hand) (\$5,000), and Fork Lift (\$25,000).	\$650,000	\$0	\$650,000
HVAC/R Equipment - Additional equipment needed for the second classroom. S.Cool (\$1,100), Heat Pump (\$1,100), Gas Units (\$1,100), Package Units (\$1,500), Tools (\$3,000), Miscellaneous (\$2,000). (Total \$9,800 x 36 student class)	\$352,800	\$0	\$352,800
Advanced Manufacturing Equipment 1 - eLearning: LX Hosted LMS 50 Annual Student Vouchers (\$7,838), Safety: NC#-3M Worker Health and Safety Awareness Package (\$11,557), AR/VR: AIO Pro CTE Instructor Workstation Package (\$9,945) & LT CTE Student Workstation Package (\$7,499), Laptop Supplemental Accessories Kit (LT) (\$550), Laptop Cart 24 Powered (\$2,919), Remote Professional Development (\$1,000), Remote Technical Services (\$750), and Manufacturer/Certification Training (\$750).	\$42,807	\$0	\$42,807
Advanced Manufacturing Equipment 2 - Electricity & Electronics: AC/DC Training System (\$6,632), Dual Trace Oscilloscope (\$1,482), AC/DC Training System (Manuals on CD-ROM) (\$1,108), TP1011 Fundamentals of Electrical engineering/electronics (\$5,614), IEC Power Cable (\$39), Basic electronics circuits: Workbook (\$749), and Manufacturer/Certification Training (\$750).	\$16,374	\$0	\$16,374
Advanced Manufacturing Equipment 3 - Mecahnical: Festo-NC3-FICP L1 Fundamentals-Mechanical Systems 46100 Package (\$28,531), 54643-00 Campus License-Level 1 (Manuals on CD-ROM) (\$523), 5470-00 Campus License-Level 2 (Manuals on CD-ROM) (\$523), Festo-NC3-FICP L2 Applied-Mechanical Systems 46100 Package (\$15,714), Campus License-Level 3 (Manuals on CD-ROM) (\$523), Campus License-Level 4 (Manuals on CD-ROM) (\$523), Installation, Commissioning, Orientation (\$1,500), Manufacturer/Certification Training (\$750).	\$48,587	\$0	\$48,587
Advanced Manufacturing Equipment 4 - Fluid Power Hydraulics: Festo-NC3-FICP L1 Fundamentals-Fluid Power Hydraulics Package (\$32,978), FluidSIM 5 Hydraulics-10 Seats Network Key Flating License (\$6,905), FluidSIM Home Use Version V5 Hydraulics 20 seats (\$2,109), Hydraulics TP501 Courseware (\$540), Festo-NC3-FICP L1 Fundamnetals-Fluid Power Hydraulics 2nd Team Add-on Package (\$26,796), Festo-Applied Fluid Power Electro-Hydraulics Package (\$14,376)Electrohydraulic TP601 America Courseware 793158 (\$540), Fluid Power Pneumatics: Festo-NC3-FICP L1 Fundamentals-Fluid Power Pneumatics Package (\$16,309), FluidSIM 5 Pneumatic-10 Seats Network Key Floating License (\$6,905), FluidSIM Home Use Version V5 Pneumatics 20 seats (\$2,344), Basic Pneumatics TP101 Courseware (\$540), Festo-NC3-FICP L1 Fundamentals-Fluid Power Pneumatics 2nd Team Add-on Package (\$10,124), Festo-NC3-FICP L2 Applied-Applied Fluid Power Electro-Pneumatics Package (\$17,930), Electropneumatic TP201 America Courseware (\$540), Basics of Vacuum Technology-TP230-Workbook (\$755), Installation, Commissioning, Orientation (\$1,500), and Manufacturer/Certification Training (\$750).	\$141,941	\$0	\$141,941
Advanced Manufacturing Equipment 5 - PLCs: Festo-NC3-FICP L1 Fundamentals-PLC-AllenBradley Package (\$14,955), Festo-NC3-FICP L1 Fundamentals-PLC-Sensors1 Package (\$6,865), Sensors for Object Detection (Workbook and CD) (\$749), and Manufacturere/Certification Training (\$750).	\$23,319	\$0	\$23,319

BUDGET	YEAR 1 6/1/2022- 5/31/2023	YEAR 2 6/1/2023- 5/31/2024	TOTAL
Advanced Manufacturing Equipment 6 - Industrial Controls: Basic Controls Training System (\$31,171), Second Team Add-on (\$26,110), Programmable Logic Controller Training System (\$9,558), Motor Drives (\$7,477), Digital Tachometer (\$1,228), Industrial Controls Training System Simulation Software (\$7,357), and Industrial Controls Training systems (Manuals on CD-ROM) (\$2,216).	\$85,117	\$0	\$85,117
Advanced Manufacturing Equipment 7 - Robotics: CIROS Robotics Software (1 Studio + 10 Education) (\$15,562)MPS-D Fanuc Robot & Assemble Cell Package (\$86,354), CR3 Robotics Cell with Gripper and Mobile Trolley Package (\$19,742), Magician (4) Robot Package (\$10,718), Installation, Commissioning, Orientation (\$1,500), Manufacturer/Certification Training (\$750).	\$134,626	\$0	\$134,626
Advanced Manufacturing Equipment 8 - Process Control: Pressure, Flow, and Level Process Control Training System (\$42,966), Bench (\$4,430), Industrial Pressure, Flow, and Level Add-On-HART (\$33,833), Pressure, Flow, and Level Process Control (Manuals on CD-ROM) (\$2,216).	\$83,445	\$0	\$83,445
Advanced Manufacturing Equipment 9 - CNC: Vertical Mill CNC Package (\$13,900), Turning Center CNC Package (\$11,900), Measurements: TP 47221 Basic Dimensional Metrology Training System (\$11,942), Campus License-Basic dimensional metrology (\$1,088), Systainer with T-LOC system Size V (\$1,983), Single Head 3D Printer Package with PC (\$7,885), and Manufacturer/Certification Training (\$1,500).	\$50,198	\$0	\$50,198
Advanced Manufacturing Equipment 10 - Mechatronics: Festo/3M-NC3-Intro to Mechatronics Package (\$11,350), MecLab Siemens PLC Package (\$5,526), MPS403 Industry 4.0 Training System Complete (\$140,797), and Manufacturer/Certification Training (\$2,000).	\$159,673	\$0	\$159,673
HVAC/R & Welding Equipment: Property on inventory for Welding (\$248,912) and HVAC/R (\$63,900)	\$312,812	\$0	\$312,812
TOTAL EQUIPMENT	\$2,101,699	\$0	\$2,101,699
PERSONNEL			
Engineering Technology Instructor (NEW) - Full-time faculty, this position will assist the Department Chair with establishing program and course student learning outcomes, course schedules, curriculum supplies and student support. The position will start in Year 1 for 3 months with the base salary of \$51,496, 2% increase in Year 2.	\$11,878	\$48,462	\$60,340
Welding Instructor - Full-time instructional faculty with the minimum instructional load required of a full-time instructor during the academic/contract year (30 semester hours of credit class instruction, usually on the basis of 15 credit hours in the Fall semester and 15 credit hours in the Spring semester).	\$54,997	\$56,097	\$111,094
HVAC Instructor - Full-time instructional faculty with the minimum instructional load required of a full-time instructor during the academic/contract year (30 semester hours of credit class instruction, usually on the basis of 15 credit hours in the Fall semester and 15 credit hours in the Spring semester).	\$51,539	\$52,570	\$104,109
TOTAL PERSONNEL	\$118,414	\$157,129	\$275,543
FRINGE BENEFITS			
Engineering Technology Instructor - FT	\$4,677	\$19,377	\$24,054
Welding Instructor - FT	\$20,105	\$20,804	\$40,909
HVAC Instructor - FT	\$19,460	\$20,144	\$39,604
TOTAL FRINGE BENEFITS	\$44,242	\$60,325	\$104,567
TOTAL PERSONNEL & FRINGE BENEFITS	\$162,656	\$217,454	\$380,110
FACILITIES			
Construction - SF has committed \$8,779,275 to construct the Ralph W. Cellon Jr. Institute, which will house the Welding, HVAC and the new Advanced Manufacturing programs opening August 2023.	\$8,779,275	\$0	\$8,779,275
TOTAL FACILITIES	\$8,779,275	\$0	\$8,779,275
TRAINING MATERIALS			
Training Materials - Training Materials, student exam fees, consumable supplies	\$10,000	\$10,000	\$20,000
TOTAL TUTITION & TRAINING COSTS	\$10,000	\$10,000	\$20,000

BUDGET	YEAR 1 6/1/2022- 5/31/2023	YEAR 2 6/1/2023- 5/31/2024	TOTAL
OTHER			
Outreach/Marketing	\$10,000	\$10,000	\$20,000
TOTAL OTHER COSTS	\$10,000	\$10,000	\$20,000
TOTAL PROJECT COSTS	\$11,063,630	\$237,454	\$11,301,084
OTHER WORKFORCE TRAINING PROJECT FUNDING SOURCES			
CITY/COUNTY			
PRIVATE SOURCES			
SF has committed \$8,779,275 to the construction of the Ralph W. Cellon Institute of Technology and Manufacturing scheduled to open in August 2023.	\$8,779,275	\$0	\$8,779,275
Santa Fe College will provide welding & HVAC/R equipment currently in use and additional equipment for which funds have already been allocated as a cost share incentive.	\$312,812	\$0	\$312,812
Santa Fe College will cover the salary costs for the new Engineering Technology, Welding and HVAC/R Instructors for Year 1 and Year 2 as cost share incentive.	\$162,656	\$217,454	\$380,110
Santa Fe College will cover the training material & outreach/material costs as a cost share incentive.	\$20,000	\$20,000	\$40,000
TOTAL OTHER FUNDING SOURCES	\$9,274,743	\$237,454	\$9,512,197
A. TOTAL WORKFORCE TRAINING PROGRAM COSTS	\$11,063,630	\$237,454	\$11,301,084
B. TOTAL OTHER WORKFORCE TRAINING PROJECT FUNDING SOURCES	\$9,274,743	\$237,454	\$9,512,197
TOTAL AMOUNT REQUESTED	\$1,788,887	\$0	\$1,788,887

Attachment 3 - Addendum to 2F

Santa Fe College									
ET Degree - AS - ADVANCED MANUFACTURING SPECIALIZATION (SOC Code 17-5027)					College Credit Certificates (CCC)				
FLDOE AS Engineering Technology/AS-1615000001 - 21/22		AS CCC		ETSS CCC		A CCC		PHM CNC	
BET Aligned	Year 1 - First Semester	Credit Hours	60	30	18	12	13	12	Software
ENIC1101	English Composition (General Education)	3							No Applicable
MAC1105	College Algebra (General Education)	3							No Applicable
SLS106	First Year Experience Seminar	1							No Applicable
PHY2033/2054 or higher	General Physics (General Education)	4							No Applicable
ETM1030C	Mechanical Measurement & Instrumentation	3	3	3	3	3	3		Festo LX-LMS, ZSpace-CTE
ENI1701	Industrial Safety	3	3	3	3				Festo LX-LMS, ZSpace-CTE
Year 1-Second Semester									
Various	Humanities Elective (General Education)	3							No Applicable
Various	Social Science Elective (General Education)	3	3	3	3	3	3		Festo LX-LMS, ZSpace-CTE
ENI1810C	Intro to Electricity and Electronics	3	3	3	3	3	3		TBD
Various	Engineering Technology Elective	3							Festo LX-LMS, ZSpace-CTE
ETIS2527	Electromechanical Components & Mechanisms	3	3	3	3				Festo LX-LMS, ZSpace-CTE
Year 2 - First Semester									
ENI1843	Motors and Controls	3	3	3	3	3	3		Festo LX-LMS, ZSpace-CTE, 316L-LVHSfGM
ETIS1542	Introduction to PLCs	3	3	3	3	3	3		Festo LX-LMS, ZSpace-CTE, Studio 5000, Factory Talk
ETI110	Introduction to Quality	3	3	3	3	3	3		Festo LX-LMS, Festo MES, Siemens Step 7
ETM2315C	Hydraulics and Pneumatics	3	3	3	3	3	3		Festo LX-LMS, ZSpace-CTE, Festo-FluidSIM
ETM2315L	Hydraulics and Pneumatics Lab	1	1	1	1	1	1		Festo LX-LMS, ZSpace-CTE, Festo-FluidSIM
Year 2 - Second Semester									
ETD1320C	Computer-Aided Drafting for Engineering	3	3	3	3	3	3		Festo LX-LMS, Fusion 360, KISSlicer
Various	Engineering Technology Elective	3							TBD
ETI1420	Manufacturing Processes & Materials	3	3	3	3	3	3		Festo LX-LMS, Festo MES, Siemens Step 7
ENI1622	Concepts of Lean & Six Sigma	3							Festo LX-LMS, Festo MES, Siemens Step 7
ETIS2604	Robotics Applications	3	3	3	3	3	3		Festo LX-LMS, ZSpace-CTE, CIRROS, FANUC, SCStudio
Recommended Electives to Additionally Earn Both an Automation CCC and a Lean CCC									
ETS1535	Automated Process Control	3							Festo LX-LMS, Festo-USM+PRO
ENI1644	Production and Inventory Control	3							Festo LX-LMS, Festo MES, Siemens Step 7
ETI1931	Special Topics in Modern Manufacturing	3							Festo LX-LMS, Festo MES, Siemens Step 7
ENI1969	Manufacturing Internship	3							Festo LX-LMS
ENIC2210	Technical Writing								No Applicable
Recommended Electives to Additionally Earn Both a CNC CCC									
ETD2354C	Intro to 3D CAD	3							Festo LX-LMS, Fusion 360, KISSlicer
PMT2250C	Computer Numerical Control (CNC) I	3							3
PMT2254C	Computer Numerical Control (CNC) II	3							3
Articulated with MSSC CPY Cert									
College Credit Certificates (CCC)									
Mechtronics									
Engineering Technology Support Specialist									
Automation (PLCs)									
Lean Manufacturing									
PLM/HDI & Motor Controls for Manufacturing									
CNC Machinist									

Industry Certifications Available Using the Listed Equipment Depending on Contact Hours

NC3-Festo Industry Certification Program [FCIP] - All of Level 1 & 2.	FLDOE Frameworks
NC3-Festo 3M Intro to Mechatronics Certification	0615000013-18/19
NC3 - 3M Worker Health and Safety Awareness Certification	0615000007-18/19
NIMS Machining Level 1	0615000007-18/19
Manufacturing Skill Standards Council (MSSC) - Certified Production Technician (CPT) using the Festo LX Content.	0615000013-18/19
Siemens Mechatronics Systems Certification Program (SMSSCP) - Level 1 and Level 2	0615000015/064805100/0615080501-18/19
NOCTI Manufacturing Certifications	

Santa Fe	AS - Engineering Technology	Course Descriptions
ENC 1101	Year 1 - First Semester English Composition I	This course embodies the fundamentals of effective expression with emphasis on the various forms of expository writing, logical and imaginative thinking, and reading for understanding. The course provides instruction in sentence structure, diction, organization of short essays, correct usage of standard American English documentation skills, and writing with sources.
MAC 1105	College Algebra	This course meets Area II requirements for both the A.A. General Education Requirements and A.S. General Education Requirements. This is a rigorous introduction to the math concepts necessary for successful study of MAC 2233 or MAC 1140. This course is primarily a conceptual study of functions and graphs, their applications and of systems of equations and inequalities. Linear, quadratic, rational, absolute value, radical, exponential and logarithmic functions will be investigated. The use of a graphing calculator is integrated throughout the course.
SLS 1106	First Year Experience Seminar	This course is designed to provide students a forum for transitioning into college. Students will learn to develop the skills required for success in college and beyond. This course is intended for first time in college students, who are seeking an Associate degree program.
PHY 2053/2054 or higher	General Physics (General Education)	PHY2053 is the first course in a two semester sequence outlining mechanics, properties of matter, heat and sound. Algebra, trigonometry, geometry and vector methods will be used in the quantitative description of these topics. PHY2054 is the second course in a two semester sequence. The topics covered in PHY2054 include: electricity, magnetism and optics. Algebra, trigonometry, geometry and vector methods will be used in the quantitative description of these topics.
ETM 1010C	Mechanical Measurement & Instrumentation	This course provides the basic foundation for both mechanical and electronic measurement techniques used in manufacturing environments. The course will integrate the concepts, principles, and techniques of mechanical measurement with the use of various types of instruments including micrometers, verniers, calipers, gages, and other types of measuring equipment. The course will also introduce the student to the basic measurement techniques employing electronic test equipment including the operation and usage of digital multimeters, function generators, and oscilloscopes.
ETI 1701	Industrial Safety	Articulated with MSSC CPT Cert
various	Humanities Elective	Covers practical and operational health and safety procedures and practices as defined by OSHA regulations that are applicable to advanced manufacturing facilities. Handling and disposal of hazardous materials will also be emphasized.
various	Social Science Elective	Some Social Science Electives are from the departments of Classics, English, History, Philosophy or Theology.
ETI 1810C	Intro to Electricity and Electronics	Articulated with MSSC CPT Cert
Various	Engineering Technology Elective	This course covers basic safety practices for electrical systems and knowledge of voltage, current and power in AC and DC circuits, circuit analysis of series and parallel loads, and basic understanding of resistors, capacitors, inductors, and transformers. This basic knowledge of industrial electricity would be expected of an entry level electrician working in facilities maintenance or assisting in the assembly, test, startup, troubleshooting, maintenance, repair or upgrade of electrical and electronic equipment.

ETI 1622	Concepts of Lean & Six Sigma							
	This course provides a comprehensive overview of the Lean and Six Sigma methodologies including the Define, Measure, Analyze, Improve, and Control (DMAIC) process improvement paradigm, techniques, tools and metrics that are critical for process improvement success.							
ETS 2604	Robotics Applications							
	This course is designed to introduce students to the basic principles of robots, including classification, operation, maintenance, troubleshooting and applications in the robotics industry. Students use hands-on practices to become familiar with sections of a robotic system.							
ETS 1535	Recommended Electives to Additionally Earn Both an Automation CCC and a Lean CCC Automated Process Control							
	Introduces modern control theory and the use of sensors, actuators, and controllers.							
ETI 1644	Production and Inventory Control							
	A survey style course in production planning and inventory control including the topics of production planning and control, scheduling, MRP, capacity planning, among others.							
ETI 1931	Special Topics in Modern Manufacturing							
	This course is designed to allow flexibility for presenting a variety of topics related to high-performance manufacturing principles and applications. Some special topics may require laboratory assignments or field work.							
ETI 1949	Manufacturing Internship							
	This course is a structured and supervised internship for students in the Engineering Technology program of study. On the job experience will be integrated with bi-weekly class meetings to review and compare work experiences with respect to workplace skills and technical expectations.							
ENIC 2210	Technical Writing							
	A composition course focusing on writing for business, science, and technology. Assignments include letters, memos, resumes, reports, proposals, an oral presentation, and the use of graphics.							
	Students use a variety of research and investigative techniques to produce documented papers on science, business or technological subjects.							
ETD 2364C	Recommended Electives to Additionally Earn Both a CNC CCC Intro to 3D CAD							
	This course is an introduction to new designing techniques and capabilities of solid modeling using 3D computer aided design software. Topics include the integration of advanced parametric solid modeling drawing tools.							
PMT 1250C	Computer Numerical Control (CNC) I							
	The history and development of CNC (computer numerical control). Programming methods are reviewed with the emphasis of skills placed on programming, milling, drilling and turning with M and G code preparation. Manual and computer assisted programming are also reviewed. Students will program, set up and operate CNC machines.							
PMT 2254C	Computer Numerical Control (CNC) II							
	This course expands on the CNC Programming I course, providing further study in computer-aided numerical control programming of CNC lathes. It concentrates on the lathe series of machines and includes set-up, centering, turning, facing, filing, polishing, burning, thread cutting and other processes common to the lathe series.							

Santa Fe	HVAC/R Technology	Course Descriptions					
	Term I						
ACR0000	Intro To HVAC/R	250 hrs					
	The purpose of this course is to train students to work/train closely with the Lead Installer in Heating, air conditioning, ventilation and refrigeration equipment.						
	The student will gain knowledge in safety, employability skills, tools, basic electricity and electrical components.						
ACR0001	HVAC/R Fundamentals	250 hrs					
	The purpose of this course is to prepare students for employment or advanced training in the heating, ventilation, air conditioning, and refrigeration industry.						
	The fundamentals course will cover topics such as basic electricity, troubleshooting controls motors and components, analyze fluids and pressures, fabricate and service tubing and pipe fittings.						
	EPA rules and regulations will be introduced with the goal being passing the EPA test for refrigeration recovery.						
	Term II						
ACR0012	HVAC/R Service	250 hrs					
	The purpose of this course is to allow the students to gain knowledge in the start-up and shutdown procedures required for HVAC systems utilizing test equipment for different manufacturers.						
	This course will introduce the use of combustible-type heating and test equipment to include gas valves and regulators.						
	To maintain and troubleshoot and repair commercial heating systems, demonstrate knowledge of retail refrigeration systems, commercial and industrial systems.						
ACR0013	HVAC/R Intermediate	250 hrs					
	HVAC/R service practice students will be prepared to work alongside a journeyman mechanic to facilitate a transfer of skills that will enable the assistant to gain knowledge that will lead to a mechanic or technician skill level.						
	Skills taught in this course will include commercial compressors, commercial evaporative condensers, piping, construction drawings, commercial heating and A/C systems.						
	Term III						
ACR0044C	HVAC/R Advanced Service Practice	350 hrs					
	HVAC/R service practice students will be prepared to work alongside a journeyman mechanic to facilitate a transfer of skills that will enable the assistant to gain knowledge that will lead to a mechanic or technician skill level.						
	Skills taught in this course will include commercial compressors, commercial evaporative condensers, piping, construction drawings, commercial heating and A/C systems.						

Santa Fe	Welding Technology	Course Descriptions
PMT0102	Intro to Welding and Industrial Safety	120 hrs This course is designed to develop the student's understanding of workplace safety and organizational skills while introducing basic industrial manufacturing processes and documentation.
PMT0105	Welding Drawings and Fabrication	120 hrs In this course students will develop and understanding of welding symbols and technical drawings that will be applied by fabricating a weldment using a combination of arc welding and thermal cutting processes.
PMT0126	Arc Welding Fundamentals	120 hrs This course is designed to train students in the fundamentals of shielded metal arc welding, oxygen-fuel cutting, plasma arc cutting, and the safety practices required when using these processes in an industrial setting.
PMT0128	Shielded Metal Arc Welding I	120 hrs In this course, students will demonstrate basic shield metal arc welding (SMAW) skills by performing surface and fillet welds in all positions on carbon steel.
PMT0129	Shielded Metal Arc Welding II	120 hrs Oxygen-fuel and plasma arc cutting process are utilized to prepare materials.
PMT0130	Gas Metal Arc Welding	120 hrs In this course, students will demonstrate intermediate shielded metal arc welding (SMAW) skills by performing groove welds on carbon steel plate and verifying their soundness through visual and destructive testing using applicable industry standards.
PMT0143	Flux-Cored Arc Welding	120 hrs Oxygen-fuel, plasma arc, and air carbon arc thermal processes will be utilized for both cutting and gouging operations.
PMT0137	Gas Tungsten Arc Welding	120 hrs In this course, students set up, operate, and troubleshoot gas metal arc welding equipment and accessories to produce surface, fillet, and groove welds in all positions on carbon steel, stainless steel, and aluminum base metals.
PMT0182	Welding Certification	90 hrs In this course students will select a specific qualified welding procedure to perform based on their employment goals. Laboratory exercises are focused on preparing the student for an industry standard welder qualification test at the end of the term.
Total Hours		1050 hrs

Santa Fe	Advanced Welding Technology	Course Descriptions
PMT0127	Shielded Metal Arc Pipe Welding	125 hrs In this course students perform open root groove welds using the SMAW process in all positions on carbon steel pipe. Oxygen-fuel and plasma cutting operations are utilized to cut and prepare materials.
PMT0151	Gas Tungsten Arc Pipe Welding	125 hrs In this course students perform open root groove welds using the GTAW process in all positions on carbon steel pipe. Thermal and machine cutting operations are utilized to cut and prepare materials.
PMT0174	Pipe Fitting	125 hrs In this course students will utilize pipe fitting specifications in conjunction with technical drawings to cut, fit, and weld a pipe assembly using GTAW and SMAW process.
PMT0186	Stainless Pipe Welding	125 hrs In this course, students will develop an understanding of pipe purging techniques and apply these techniques to complete open root groove welds on stainless steel pipe in all positions.
PMT0172	Heavy Wall Pipe Welding	125 hrs In this course, students will utilize a combination of GTAW and SMAW processes to perform open root groove welds on heavy wall pipe.
PMT0168	Pipe Welding Certification	125 hrs Students will also develop an understanding of and apply pre- and post-weld heat treatment. In this course students will select a specific qualified pipe welding procedure to perform based on their employment goals. Laboratory exercises are focused on preparing the student for an industry standard welder qualification test at the end of the term.
Total Hours		750

Attachment 4 - Signature Authority

Select Year: 2021 ▾

The 2021 Florida Statutes

[Title XLVIII](#)

[Chapter 1001](#)

[View Entire Chapter](#)

EARLY LEARNING-20 EDUCATION CODE EARLY LEARNING-20 GOVERNANCE

1001.65 Florida College System institution presidents; powers and duties.—The president is the chief executive officer of the Florida College System institution, shall be corporate secretary of the Florida College System institution board of trustees, and is responsible for the operation and administration of the Florida College System institution. Each Florida College System institution president shall:

- (1) Recommend the adoption of rules, as appropriate, to the Florida College System institution board of trustees to implement provisions of law governing the operation and administration of the Florida College System institution, which shall include the specific powers and duties enumerated in this section. Such rules shall be consistent with law, the mission of the Florida College System institution, and the rules and policies of the State Board of Education.
- (2) Prepare a budget request and an operating budget pursuant to s. 1011.30 for approval by the Florida College System institution board of trustees at such time and in such format as the State Board of Education may prescribe.
- (3) Establish and implement policies and procedures to recruit, appoint, transfer, promote, compensate, evaluate, reward, demote, discipline, and remove personnel, within law and rules of the State Board of Education and in accordance with rules or policies approved by the Florida College System institution board of trustees.
- (4) Govern admissions, subject to law and rules or policies of the Florida College System institution board of trustees and the State Board of Education.
- (5) Approve, execute, and administer contracts for and on behalf of the Florida College System institution board of trustees for licenses; the acquisition or provision of commodities, goods, equipment, and services; leases of real and personal property; and planning and construction to be rendered to or by the Florida College System institution, provided such contracts are within law and guidelines of the State Board of Education and in conformance with policies of the Florida College System institution board of trustees, and are for the implementation of approved programs of the Florida College System institution.
- (6) Act for the Florida College System institution board of trustees as custodian of all Florida College System institution property and financial resources. The authority vested in the Florida College System institution president under this subsection includes the authority to prioritize the use of Florida College System institution space, property, equipment, and resources and the authority to impose charges for the use of those items.
- (7) Establish the internal academic calendar of the Florida College System institution within general guidelines of the State Board of Education.
- (8) Administer the Florida College System institution's program of intercollegiate athletics.
- (9) Recommend to the board of trustees the establishment and termination of programs within the approved role and scope of the Florida College System institution.
- (10) Award degrees.
- (11) Recommend to the board of trustees a schedule of tuition and fees to be charged by the Florida College System institution, within law and rules of the State Board of Education.
- (12) Organize the Florida College System institution to efficiently and effectively achieve the goals of the Florida College System institution.

- (13) Review periodically the operations of the Florida College System institution in order to determine how effectively and efficiently the Florida College System institution is being administered and whether it is meeting the goals of its strategic plan adopted by the State Board of Education.
- (14) Enter into agreements for student exchange programs that involve students at the Florida College System institution and students in other institutions of higher learning.
- (15) Approve the internal procedures of student government organizations and provide purchasing, contracting, and budgetary review processes for these organizations.
- (16) Ensure compliance with federal and state laws, rules, regulations, and other requirements that are applicable to the Florida College System institution.
- (17) Maintain all data and information pertaining to the operation of the Florida College System institution, and report on the attainment by the Florida College System institution of institutional and statewide performance accountability goals.
- (18) Certify to the department a project's compliance with the requirements for expenditure of PECO funds prior to release of funds pursuant to the provisions of chapter 1013.
- (19) Provide to the law enforcement agency and fire department that has jurisdiction over the Florida College System institution a copy of the floor plans and other relevant documents for each educational facility as defined in s. 1013.01(6). After the initial submission of the floor plans and other relevant documents, the Florida College System institution president shall submit, by October 1 of each year, revised floor plans and other relevant documents for each educational facility that was modified during the preceding year.
- (20) Develop and implement jointly with school superintendents a comprehensive dual enrollment articulation agreement for the students enrolled in their respective school districts and service areas pursuant to s. 1007.271(21).
- (21) Have authority, after notice to the student of the charges and after a hearing thereon, to expel, suspend, or otherwise discipline any student who is found to have violated any law, ordinance, or rule or regulation of the State Board of Education or of the board of trustees of the Florida College System institution pursuant to the provisions of s. 1006.62.
- (22) Submit an annual employment accountability plan to the Department of Education pursuant to the provisions of s. 1012.86.
- (23) Annually evaluate, or have a designee annually evaluate, each department chairperson, dean, provost, and vice president in achieving the annual and long-term goals and objectives of the Florida College System institution's employment accountability plan.
- (24) Have vested with the president or the president's designee the authority that is vested with the Florida College System institution.

History.—s. 81, ch. 2002-387; s. 22, ch. 2011-5; s. 3, ch. 2012-191; s. 91, ch. 2016-10.



Attachment 5

Letters of Commitment and Support

1. Santa Fe College President, Dr. Paul Broadie II, Ph.D.
2. Florida Senator Jennifer Bradley
3. Florida Representative Bobby Payne
4. Florida Representative Chuck Clemons
5. A+ Air Conditioning
6. Airgas USA, LLC
7. American Welding Society
8. Bluegrass Educational Technologies
9. Browning Heating & Air Conditioning, LLC
10. CareerSource North Central Florida
11. Charles Berg Enterprises, Inc.
12. Charles Perry Partners, Inc.
13. Comfort Temp Company
14. Crom, LLC
15. D.R. Baker Construction
16. E-One
17. Fabco-Air
18. Festo Didactic Inc.
19. Goodwin Company
20. The Greater Gainesville Chamber of Commerce
21. The Lincoln Electric Company
22. Miller Electric Mfg. LLC
23. Newmans Heating and A/C
24. Oelrich Construction, Inc.
25. Sandvik Mining & Rock Solutions
26. Scherer Construction of North Florida, LLC
27. Weldtest Services, LLC

SANTA FE COLLEGE

Paul Broadie II, Ph.D.

August 26, 2021

Office of Governor Ron DeSantis
State of Florida
The Capitol
400 S. Monroe Street
Tallahassee, FL 32399-0001

Dear Governor DeSantis:

Thank you for the opportunity to increase our region's economic development and job growth opportunities through the DEO Florida Job Growth Grant Fund. Santa Fe College (SF) is pleased to participate in this competitive process with a proposal that merits strong consideration.

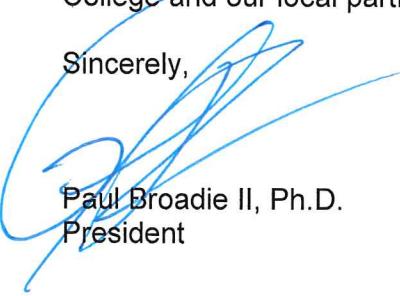
Since 1965, SF has been committed to adding value to the lives of our students and enriching our community. As part of the Florida College System, we are charged with serving the economic development needs of Alachua and Bradford counties. Our community has grown to include graduates from every county in Florida, every state in the nation, and over 100 countries serving over 14,000 students annually. SF is recognized as one of the leaders of the community colleges in the nation as the college was named the winner of the *2015 Aspen Prize for Community College Excellence* by the prestigious Aspen Institute, the nation's preeminent recognition of high achievement and performance in America's community college.

You have set a goal of becoming number one in workforce education by 2030. This dovetails with my priorities as president – recognizing the importance of workforce education and continuing to expose individuals to the opportunities available. We are reaching deep into our communities and introducing individuals to the many educational opportunities offered at our college. Moreover, we are committed to finding ways to expand the reach of our Career and Technical Education programs and are continuing to explore new opportunities to offer training and academic programming.

Our new *Ralph W. Cellon Jr. Institute* will house our new Engineering Technology program with a specialization in Advanced Manufacturing, expand our historically successful Welding and HVAC/R programs, and enhance our capacity to train Floridians and, more importantly, place them into high-skill, high-wage jobs.

Please consider this letter my full endorsement of the comprehensive proposal by Santa Fe College and our local partners. I appreciate your consideration.

Sincerely,


Paul Broadie II, Ph.D.
President

Office of the President

3000 Northwest 83rd Street • Gainesville, Florida 32606
352-395-5164 • Fax 352-395-5895 • paul.broadie@sfcoll.edu • sfcoll.edu



THE FLORIDA SENATE

Tallahassee, Florida 32399-1100

COMMITTEES:
Community Affairs, *Chair*
Agriculture, *Vice Chair*
Appropriations Subcommittee on Agriculture,
Environment, and General Government
Education
Ethics and Elections
Judiciary

JOINT COMMITTEES:
Joint Legislative Auditing Committee
Joint Select Committee on Collective Bargaining

SENATOR JENNIFER BRADLEY
5th District

September 8, 2021

Honorable Ron DeSantis
Governor of Florida
Plaza Level, The Capitol
400 S. Monroe Street
Tallahassee, FL 32399-0001

Dear Governor DeSantis:

I am pleased to offer this letter of support for Santa Fe College's application for funds from the Department of Economic Opportunity Florida Job Growth Grant Fund to support a project that would expand and develop workforce-training programs in the College's service area. This opportunity will increase the region's economic development and promote job growth in Career and Technical Education (CTE) programs. As a State Senator representing the college's service area, I fully support their efforts to increase quality workforce opportunities in the area.

Santa Fe College has been recognized nationally as one of the leading community colleges in the nation and was named the winner of the 2015 Aspen Prize for Community College Excellence by the prestigious Aspen Institute, the nation's preeminent recognition of high achievement and performance in America's community colleges. In addition to providing exceptional education to its students, Santa Fe is charged with serving the economic development needs of their service area, which includes Alachua and Bradford Counties. Santa Fe's service district has grown to include graduates from every county in Florida, every state in the nation, and over 100 countries serving over 14,000 students annually. It is truly a State College and a destination educational institution for many students.

Santa Fe's Board of Trustees has fully funded the construction of the new 30,000 square foot facility called the *Ralph W. Cellon Jr. Institute* in recognition of one of its charter Board members who continues to support students in CTE programs. The Institute will house a new Engineering Technology program with a specialization in Advanced Manufacturing and will expand the College's very successful Welding and HVAC programs by doubling program size.

REPLY TO:

- 1279 Kingsley Avenue, Kingsley Center, Suite 117, Orange Park, Florida 32073 (904) 278-2085
 324 Senate Building, 404 South Monroe Street, Tallahassee, Florida 32399-1100 (850) 487-5005

Senate's Website: www.flsenate.gov

WILTON SIMPSON
President of the Senate

AARON BEAN
President Pro Tempore

September 8, 2021
Page 2

I am pleased to support Santa Fe College's *Ralph W. Cellon Jr. Institute*. With your support, this project will greatly enhance the College's efforts to educate and train Florida's workforce and place them into high-skill, high-wage jobs. I would greatly appreciate your favorable consideration of this application.

Sincerely,



Jennifer Bradley



Florida House of Representatives

District Office:
3841 Reid Street Suite 5
Palatka, FL 32177-2509
Phone: (386) 312-2272
(386) 329-3777
Fax: (386) 329-3779

Representative Bobby Payne
District 19

COMMITTEES:
Ways & Means Committee, Chair
State Affairs Committee, Vice Chair
Redistricting Committee

Tallahassee Office:
222 The Capitol
402 South Monroe Street
Tallahassee, FL 32399-1300
Phone: (850) 717-5019

September 7th, 2021

Office of Governor Ron DeSantis
State of Florida
The Capitol
400 S. Monroe Street
Tallahassee, FL 32399-0001

Dear Governor DeSantis,

I would like to provide this letter of support for Santa Fe College's (SF) project to expand and develop workforce training programs through the Department of Economic Opportunity Florida Job Growth Grant Fund. This opportunity will increase the region's economic development and promote job growth in Career and Technical Education (CTE) programs. SF's request to equip these programs merits strong consideration.

Since 1965, SF has been committed to adding value to the lives of students and enriching its community. As part of the Florida College System, SF is charged with serving the economic development needs of Alachua and Bradford counties. Its service district has grown to include graduates from every county in Florida, every state in the nation, and over 100 countries serving over 14,000 students annually. SF is recognized as one of the leaders of the community colleges in the nation and was named the winner of the 2015 Aspen Prize for Community College Excellence by the prestigious Aspen Institute, the nation's preeminent recognition of high achievement and performance in America's community college.

The SF District Board of Trustees has fully funded the construction of the new 30,000 square foot facility called the Ralph W. Cellon Jr. Institute in recognition of one of its charter Board members who continues to support students in CTE programs. The Institute will house a new Engineering Technology program with a specialization in Advanced Manufacturing and will also expand the College's historically successful Welding and HVAC programs by doubling program size. The new facility will enhance SF's capacity to train Floridians and, more importantly, place them into high-skill, high-wage jobs.

Please consider this letter my full endorsement of Santa Fe College's Ralph W. Cellon Jr. Institute. I appreciate your consideration.

Sincerely,

A handwritten signature in blue ink that reads "Bobby Payne".

Representative Bobby Payne
Florida House of Representatives
District 19



Representative Chuck Clemons

Florida House of Representatives, District 21

105 SW 140th Court, Suite 1
Newberry, FL 32669
(352) 313-6542 & (352) 313-6544 (f)

322 The Capitol
402 S. Monroe Tallahassee, FL 32399
(850) 717-5021

September 7, 2021

The Honorable Ron DeSantis, Governor
State of Florida
The Capitol
400 South Monroe Street
Tallahassee, FL 32399-0001

Re: Florida Job Growth Fund – Santa Fe College Career and Technical Education (CTE) programs

Dear Governor DeSantis:

I am delighted to provide this letter of support for Santa Fe College's (SF) project to expand and develop workforce training programs through the Department of Economic Opportunity Florida Job Growth Grant Fund. This opportunity will increase the region's economic development and promote job growth in Career and Technical Education (CTE) programs. I believe SF's request to equip these programs merits strong consideration.

Since 1965, SF has been committed to adding value to the lives of students and enriching its community. As part of the Florida College System, SF is charged with serving the economic development needs of Alachua and Bradford counties. Its service district has grown to include graduates from every county in Florida, every state in the nation, and over 100 countries serving over 14,000 students annually. SF is recognized as one of the leaders of the community colleges in the nation and was named the winner of the 2015 Aspen Prize for Community College Excellence by the prestigious Aspen Institute, the nation's preeminent recognition of high achievement and performance in America's community college.

The SF District Board of Trustees has fully funded the construction of the new 30,000 square foot facility called the Ralph W. Cellon Jr. Institute in recognition of one of its charter Board members who continues to support students in CTE programs. The Institute will house a new Engineering Technology program with a specialization in Advanced Manufacturing and will also expand the College's historically successful Welding and HVAC programs by doubling program size. The new facility will enhance SF's capacity to train Floridians and, more importantly, place them into high-skill, high-wage jobs.

Please consider this letter my full endorsement of Santa Fe College's Ralph W. Cellon Jr. Institute. I appreciate your consideration.

Respectfully,

A handwritten signature in blue ink that reads "Chuck Clemons".

Chuck Clemons

*Deputy Majority Leader; Rules Committee, Vice-Chair; Agriculture & Natural Resources Appropriations Subcommittee;
Commerce Committee; Public Integrity & Elections Committee; Redistricting Committee; Ways & Means Committee
Proudly serving Dixie, Gilchrist and Alachua Counties*

9-10-2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

A+ Air Conditioning & Refrigeration Inc. is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Provide hands-on training opportunities for participants;
- Refer individuals to the program for training; and,
- Serve as prospective employers for qualified program completers.

A+ Air Conditioning & Refrigeration Inc. is a Mechanical Contractor located in Gainesville Florida. We continue to recruit trained and skilled workers to join our team. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,



Robert McCollum
A+ Air Conditioning



Airgas USA, LLC
South Region
Steven Snyder
Dir. Adv. Fab.-Weld Process
5249 Tampa West Blvd
Tampa, FL 33634
s.snyder@airgas.com
813-539-0174-Mobile

August 30, 2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

Airgas, An Air Liquide Company, are delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our organizations fully support concept for the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new Ralph W. Cellon Institute of Technology and Manufacturing. We are excited for this initiative and how it will contribute to the growth of skilled workers and sustainable workforce, which will significantly impact regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the areas of latest welding technology, equipment and industry trends.
- Serve in an advisory role relative to proper welding and cutting shielding gases and automated welding systems for supporting Industry 4.0.
- Provide hands-on demonstration for advanced welding and cutting systems to participants.
- Refer individuals to the program for training as appropriate.
- Serve as resource for all safety and personnel protective equipment for the program.

Sincerely,

Steven Snyder
Director Adv. Fab.-Weld Process Specialists - South Region | Airgas, an Air Liquide company



American Welding Society®

Daryl E. Peterson
District 5 Director

Reply Care of:
Central Maintenance and Welding
Quality Manager
2620 East Keysville
Lithia FL, 33547
Phone: (813) 523-5436
E-mail: Daryl.Peterson@outlook.com

September 9th, 2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

As the American Welding Societies, District 5 Director, I am honored to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs

I fully support the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled welders and associated workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

The results from the grant will better position Santa Fe College to align with the American Welding Societies global mission of "Advancing the science, technology, and application of welding and allied joining and cutting processes, including brazing, soldering and thermal spraying."

I look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,

A handwritten signature in black ink, appearing to read "Daryl E. Peterson".

Daryl E. Peterson
District 5 Director
American Welding Society



August 16th, 2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

Bluegrass Educational Technologies is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Provide hands-on training opportunities for participants;
- Refer individuals to the program for training; and,
- Serve as prospective employers for qualified program completers.

Bluegrass Educational Technologies is the top provider of high-quality training materials and equipment for traditional and emergent technology programs. Our company is in Lexington, Kentucky with employees in Florida. Bluegrass Educational Technologies continues to recruit trained and skilled workers to join our team. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,


Frank Cercone
President
Bluegrass Educational Technologies

August 30, 2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

Browning Heating & Air Conditioning, LLC is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Provide hands-on training opportunities for participants;
- Refer individuals to the program for training; and,
- Serve as prospective employers for qualified program completers.

Browning Heating & Air Conditioning, LLC is an HVAC company located in Gainesville, FL. We continue to recruit trained and skilled workers to join our team. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,



Mark Browning
Owner
Browning Heating & Air Conditioning, LLC



August 19, 2021

Dr. Paul Broadie
President, Santa Fe College
3000 NW 83rd Street, Gainesville, Florida 32606

Re: Support of Florida Job Growth Fund Application

Dear Dr. Broadie:

On behalf of CareerSource North Central Florida, we are proud to support Santa Fe College in its pursuit of a Florida Job Growth Fund application to secure equipment to start an Engineering Technology A.S. degree with a Specialization in Advanced Manufacturing.

As the business-led public workforce board serving Alachua and Bradford counties in North Central Florida, we know how crucial it is to develop unique opportunities in high-demand occupations like advanced manufacturing. Proposals like the one referenced clearly support, “Workforce training projects will provide Floridians with transferable, sustainable workforce skills applicable to many employers,” and we will do what we can to ensure the investment is well spent.

To remain competitive in the increasingly global marketplace, well-trained workers in this field are essential for our future. Our local area is uniquely positioned to capitalize on these opportunities through our organization and our partners in the Gainesville Area Chamber of Commerce’s Advanced Manufacturing Council.

Santa Fe College has served as one of our leading and most utilized partners for referring future members of the workforce to receive training. We wholeheartedly believe in their team and capacity to deliver an exceptional program that meets the needs of employers and prepares young individuals to capture STEM job opportunities.

And as always, CareerSource North Central Florida will be available to provide any assistance we can for those who need support from our array of services including:

- Job matching and career counseling services
- Tuition assistance
- Access to paid and unpaid work experience, particularly with available advanced manufacturing occupations
- Occupational skill training in preparation for manufacturing
- Leadership development opportunities
- Support services

Likewise, through our collaboration with the Gainesville Area Chamber of Commerce and as part of the statewide CareerSource Florida network, we will ensure the use of this program and equipment through services such as employed worker training, incumbent worker training, and job matching services to ensure trainees retain self-sufficient employment.



Finally, we would be proud to participate as a member on the Santa Fe College Advisory Board for Engineering Technology A.S. degree program with a Specialization in Advanced Manufacturing. We will provide guidance and resources to ensure the project is meeting the demands of business.

We urge the reviewing parties to approve this request and look forward to bringing this to our community.

Sincerely,



Phyllis Marty
Chief Executive Officer
CareerSource North Central Florida
A: 1112 North Main Street, Gainesville, FL 32601
P: 352-955-2245 ext 7503
C: 352-681-3320
E: pmarty@careersourcencfl.com
W: www.careersourcencfl.com





September 2, 2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

Charles Berg Enterprises, Inc. is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Provide hands-on training opportunities for participants;
- Refer individuals to the program for training; and,
- Serve as prospective employers for qualified program completers.

Charles Berg Enterprises, Inc. is a HVAC company located in Gainesville, FL. We continue to recruit trained and skilled workers to join our team. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,

Lucinda Berg LaCoste
Lucinda Berg LaCoste
President

Charles Berg Enterprises, Inc.



construction management | design build | general contracting

August 30, 2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

Charles Perry Partners, Inc. is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Provide hands-on training opportunities for participants;
- Refer individuals to the program for training; and,
- Serve as prospective employers for qualified program completers.

Charles Perry Partners, Inc. is a professional general contracting, design-build and construction management firm with office in Gainesville, Orlando, Tampa, Ft Myers, Jacksonville, Palm Beach, Savannah and Lynchburg. We continue to recruit trained and skilled workers to join our team. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,

A handwritten signature in blue ink, appearing to read "Brian K. Leslie".

Brian K. Leslie
President

COMFORT TEMP

COMPANY



CT Mechanical

Soly Schrack

HR, PR & MARKETING DIRECTOR

352.339.0051
352.376.2366 ext: 110
Soly@comforttemp.com

08/31/2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

Comfort Temp Company is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new Ralph W. Cellon Institute of Technology and Manufacturing. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Provide hands-on training opportunities for participants;
- Refer individuals to the program for training; and,
- Serve as prospective employers for qualified program completers.

Comfort Temp Company is a full service mechanical and plumbing contractor with locations in Gainesville, Jacksonville and Orlando. We continue to recruit trained and skilled workers to join our team. We look forward to visiting the new Ralph W. Cellon Institute of Technology and Manufacturing in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,

A handwritten signature in cursive script that reads "Soly Schrack".

comforttemp.com
O: 352.376.2366

ctmechanical.us
O: 877.308.0081

4301 NW Sixth Street
Gainesville, Florida 32609

CFC1428364 | CMCI249305

Comfort Is Our Business.
Peace Of Mind Is Our Promise.



09/10/2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

Crom, LLC is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Refer individuals to the program for training;
- Serve as prospective employers for qualified program completers.

Crom, LLC is a prestressed concrete tanks coating and restoration construction company located in Gainesville, FL. We continue to recruit trained and skilled workers to join our team. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert Downin".

Robert Downin
Fabrication and Welding Supervisor
Crom, LLC

Today's Date

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

D. R. Baker Construction

_____ (company) is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Provide hands-on training opportunities for participants;
- Refer individuals to the program for training; and,
- Serve as prospective employers for qualified program completers.

DR Baker (company) is a *Construction* (description) located in *Waldorf* (location). We continue to recruit trained and skilled workers to join our team. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,

DR Baker
Name *Delton Baker*
Title *President*
Company *DR Baker Construction*



Bryson Ward
Welding Engineer
AWS Certified Welding Inspector
Office: (352) 861-3580
Cell: (352) 355-5076
bward@e-one.com

September 7, 2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83 St,
Gainesville, FL 32606

Dear Dr. Broadie,

As a team member of one of the World's leading manufacturers of fire apparatus's, here in North Central Florida, we are in support of Santa Fe's initiatives to pursue the Florida Job Growth Fund Grant to expand their welding program.

We expect growth in the manufacturing sector of our community which provides strong middle class jobs, with valued skilled set. It is these types of opportunities that improve the potential of those who build a better future. Welding is an essential part of our everyday life here at E-One, and we are constantly challenged with shortages of skilled welding professionals. As E-One continues to grow, we will need the right talent to help us achieve our goals. Many of our valued team members have had training from our local education institutions such as yours.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Provide hands-on training opportunities for participants;
- Refer individuals to the program for training; and,
- Serve as prospective employers for qualified program completers.

We continue to recruit trained and skilled workers to join our team. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,

A handwritten signature in blue ink, appearing to read "Bryson Ward".

Bryson Ward

September 8, 2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

Fabco-Air is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Provide hands-on training opportunities for participants;
- Refer individuals to the program for training; and,
- Serve as prospective employers for qualified program completers.

Fabco-Air is a pneumatic manufacturing company located in Gainesville, Florida. We continue to recruit trained and skilled workers to join our team. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,



Name: Scot LaMar
Title: President / General Manager
Company: Fabco-Air

Festo Didactic Inc.
607 Industrial Way West
Eatontown, NJ 07724 USA
T. +1-732-938-2000
+1-800-522-8658
F.+1-732-774-8573
www.festo-didactic.com



August 12, 2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

Festo is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs. The programs under consideration are vital to the future economic growth of the State of Florida.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content.
- Serve in a project advisory role to support the development of training programs.
- Provide hands-on training opportunities for participants.
- Refer individuals to the program for training
- Facilitate our industry partners to recruit qualified program completers.

Festo is a global leader in Advanced Manufacturing and Factory Automation with a myriad of customers in the state of Florida. Festo's extensive group of Advanced Manufacturing Partners actively recruit trained and skilled workers to join their team's. These positions are highly compensated and in high demand for the foreseeable future. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,

A handwritten signature in blue ink that reads "Rich Feehan".

Rich Feehan
Festo Regional Manager

August 26, 2021

Only Goodwin

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

Goodwin Company – Fine Antique Wood Since 1976 is excited to support Santa Fe College’s application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.



THE
MOST
BEAUTIFUL
WOOD
IN THE
WORLD...

We support and need the college’s specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs to be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We will always collaborate with Santa Fe College’s initiatives in the following ways:

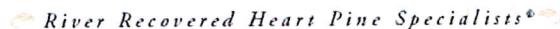
- Offer our expertise in training program content;
- Serve in any advisory role to help develop training programs;
- Provide hands-on training opportunities for program participants;
- Refer students to the program for training; and,
- Hope to hire qualified program participants after their completion.

Goodwin Company very much needs highly trained skilled workers to join our team. We look forward to visiting the *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023. And Goodwin will always provide support for Santa Fe College’s new workforce training programs. We highly value the program.

Sincerely,

Carol Goodwin

Carol Goodwin, President
For the Goodwin Company Team
800-336-3118 / 352-466-0339
carol@heartpine.com

 River Recovered Heart Pine Specialists®

106 SW 109th Place Micanopy, FL 32667-9442
1-800-336-3118 | t. (352) 466-0339 | em. goodwin@heartpine.com



300 East University Avenue
Suite 100
Gainesville, FL 32601
Tel: (352) 334-7100

August 23, 2021

Dr. Paul Broadie II, President
Santa Fe College
3000 NW 83 Street
Gainesville, FL 32606

Dear Dr. Broadie:

The Greater Gainesville Chamber of Commerce fully supports Santa Fe College's application for the Governor's Florida Jobs Growth Grant Fund toward their efforts to further develop Career and Technical Education (CTE) programming. We kindly ask that you grant the request for approximately \$1.7 million to purchase program equipment for their new engineering technology program, as well as their welding and HVAC programs to be housed at the new *Ralph W. Cellon Jr. Institute*. This 30,000 sf facility has already been funded and these additional funds will provide the necessary equipment for training.

We are looking forward to well-trained engineering technicians in the engineering technology program and their CTE programs. These programs will help to meet the employment demand in the region and throughout Florida. Santa Fe College will further provide students with hands-on training and the development of problem-solving skills needed to be successful in this sector.

Santa Fe College will train students transitioning from secondary to postsecondary education and students looking to utilize their transitional skills to a new career. Santa Fe College will help our local employers to train a growing need for engineering technology, welding and HVAC employees in Greater Gainesville. With the help of the Florida Job Growth Fund grant, Santa Fe College will be able to meet both student and industry needs for a skilled technical workforce.

Greater Gainesville's advanced manufacturing sector represents the future of the industry in Florida. Greater Gainesville's manufacturing sector, comprised of about 250 companies employing 4,600 people, has evolved into a go-to source for in-demand consumer goods. According to the Chamber's five-year economic development strategy, COLLABORATE 2025, our region has a goal to increase the type of CTE programming. One of the challenges the Greater Gainesville region experiences is the low number of engineering technology, welding and HVAC employees. The Chamber and its members will work with Santa Fe College to engage our partners in our technology and manufacturing industry sectors in the development and implementation of engineering technicians in the engineering technology program, welding and HVAC.

Please do not hesitate to contact me if you have any questions or require further information.

A handwritten signature in black ink that reads "E.L. Shadwell". The signature is fluid and cursive, with "E.L." on top and "Shadwell" below it.

President & CEO
Greater Gainesville Chamber of Commerce



THE LINCOLN ELECTRIC COMPANY
2100 Thornton Rd., Suite 100, Lithia Springs, GA 30122

August 26, 2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

The Lincoln Electric Company is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Provide hands-on training opportunities for participants;
- Refer individuals to the program for training; and,
- Facilitate our industry partners to recruit qualified program completers.

The Lincoln Electric Company is the world leading manufacturer of arc welding machines, electrodes, welding fume extraction equipment, welding automation, welding simulators, and plasma cutting equipment. Lincoln Electric has multiple facilities worldwide and is headquartered at 22801 St. Clair Avenue, Cleveland, OH 44117. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,

Rick Harrell
District Manager
The Lincoln Electric Company
321-231-3430

Miller Electric Mfg. LLC
An ITW Welding Company
1635 West Spencer Street
P.O. Box 1079
Appleton, WI 54912-1079 USA
920-734-9821
MillerWelds.com



September 7, 2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

Miller Electric Mfg LLC. is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Provide hands-on training opportunities for participants;
- Refer individuals to the program for training; and,
- Serve as prospective employers for qualified program completers.

Miller Electric Mfg LLC. is a Manufacturer of Welding Machines, Safety Products, Robots, Mig Guns and Welding Consumables located in Appleton WI. We continue to recruit trained and skilled workers to join our team. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,

A handwritten signature in black ink that reads "Greg Early".
Greg A. Early
District Manager

8-27-2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

Newmans Heating and A/C, Inc. is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Provide hands-on training opportunities for participants;
- Refer individuals to the program for training; and,
- Serve as prospective employers for qualified program completers.

Newmans Heating and A/C, Inc. is a HVAC contractor located in Gainesville, Fl. We continue to recruit trained and skilled workers to join our team. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,
Ed Newmans

Ed Newmans
President
Newmans Heating and A/C, Inc.



September 9, 2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd Street
Gainesville, FL 32606

Re: Job Growth Grant Letter of Support

Dear Dr. Broadie,

The Associated General Contractors (AGC) of America, a trade organization representing 27,000 firms in the construction industry, warns the industry is falling behind in the recovery from Covid-19. The AGC of America's Workforce Survey results, released September 7, 2021, reported 90% of respondents have construction trades positions available. Of those who responded to the survey, 72% cite available candidates are not qualified. As a local construction management firm serving higher education, government, and private companies throughout North Central Florida, we are seeing these challenges first-hand.

We are also aware of the positive impacts Santa Fe College's Construction and Technical Programs department is making to remedy these challenges. The degrees, certifications, and apprenticeship programs offered by the Program's tenured instructors provides students with hands-on experience that addresses multiple trades critical to the continued growth of construction in the region. We have benefitted directly from the instruction provided through the College, having welcomed multiple interns and full-time employees to join the Oelrich Construction team.

Oelrich Construction is fully supportive of the expansion of the welding and HVAC programs, as well as the addition of the College's Engineering Technology degree with a specialization in Advanced Manufacturing. The continued investment in critical trades such as HVAC, welding, carpentry, electrical, and plumbing will further ensure the success of the construction industry within the local region and beyond.

Construction workers are in demand, essential, and invaluable. We look forward to the opportunity to continue to collaborate with Rod Thomas, Director of Construction, and fellow Program stakeholders to support the *Ralph W. Cellon Institute of Technology and Manufacturing*. In the interim, we are honored to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Gainesville Office:

275 NW 137th Drive, Suite A
Jonesville, FL 32669

Orlando Office:
428 S. Dillard St., Suite 103
Winter Garden, FL 34787

oelrichconstruction.com

tel: 352-745-7877
CGC1510579

Sincerely,

A handwritten signature in blue ink, appearing to read "Ivan A. Oelrich".

Ivan A. Oelrich
President
Oelrich Construction, Inc.



September 9, 2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd Street
Gainesville, FL 32606

Dear Mr. Broadie,

Sandvik Mining and rock Solutions is delighted to provide this letter of support for Santa Fe college's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding programs which will be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content
- Serve in a project advisory role to support the development of training programs
- Provide hand-on training opportunities for participants
- Refer individuals to the program for training
- Facilitate our industry partners to recruit qualified program completers.

Sandvik Mining and Rock Solutions is a business area within the Sandvik Group and a leading global supplier of equipment, tools, service and technical solutions for the mining industry. The product offerings cover rock drilling, rock cutting, rock crushing, loading and hauling and materials handling.

We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe's College new workforce training programs.

Sincerely,

A handwritten signature in black ink that reads "Dave Shellhammer".

Dave Shellhammer
President
Sandvik Mining & Rock Solutions



2926 Edison Avenue, Jacksonville, FL 32254 Tel: (904) 288-6060
2504 NW 71 Place, Gainesville, FL 32653 Tel: (352) 371-1417
www.schererconstruction.com
CGC1530034

August 26, 2021

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

Scherer Construction of North Florida, LLC is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs. Our industry, as well as the economic advancement of our community, depends on the skills Santa Fe College provides.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Provide hands-on training opportunities for participants;
- Refer individuals to the program for training; and,
- Serve as prospective employers for qualified program completers.

Scherer Construction is a commercial general contracting, design/build, construction management, and design firm with self-performing site work and concrete divisions located in Gainesville, Florida. We continue to recruit trained and skilled workers to join our team. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,

A handwritten signature in blue ink that reads 'Erik Otte'.

Erik Otte
President
Scherer Construction of North Florida, LLC

WELDTEST SERVICES, LLC

Certification, Inspection, & Training

2781 SE 48th Ave.
Trenton, FL 32693

386-454-0213
weldtestservicessllc@gmail.com
www.weldtestservices.com

8/31/21

Dr. Paul Broadie, President
Santa Fe College
3000 NW 83rd St,
Gainesville, FL 32606

Dear Dr. Broadie,

Weldtest Services is delighted to provide this letter of support for Santa Fe College's application to the Department of Economic Opportunity Florida Job Growth Grant to expand and develop new workforce training programs.

Our company fully supports the implementation of the college's Engineering Technology degree with a specialization in Advanced Manufacturing, and the expansion project for the Welding and HVAC programs which will all be housed at the new *Ralph W. Cellon Institute of Technology and Manufacturing*. This initiative will contribute to the growth of skilled workers and sustainable workforce which will significantly impact our local and regional manufacturing industries.

We are pleased to collaborate with Santa Fe College with its new initiatives in the following ways:

- Offer expertise in the development of training content;
- Serve in a project advisory role to support the development of training programs;
- Provide hands-on training opportunities for participants;
- Refer individuals to the program for training

Weldtest Services is a Company that provides Welder Certification, Training and Inspections. Weldtest Services is located in Trenton, FL.. We continue to recommend Santa Fe students to the community. We look forward to visiting the new *Ralph W. Cellon Institute of Technology and Manufacturing* in the fall of 2023 and providing support for Santa Fe College's new workforce training programs.

Sincerely,



Christopher C. Utman, CWI #13072881
Weldtest Services

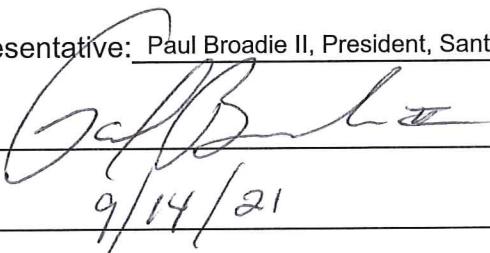
Attachment 6 - Signature Page

WORKFORCE TRAINING GRANT PROPOSAL

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.

Name of Entity: Santa Fe College

Name and Title of Authorized Representative: Paul Broadie II, President, Santa Fe College

Representative Signature: 

Signature Date: 9/14/21