



Appli. #5

General Information

Name and address of high school: 1 Warrior Dr., Callahan, FL 32011

Year of graduation: 2018

If you graduated before this year, briefly describe what you have been doing since you left high school: N/A

Name, city and state of the school you intend to enroll in for the next academic year:

University of Florida, Gainesville, FL

Have you been accepted? Yes How long is the course of study? 4 years

Briefly describe the course of study: I am planning on studying chemical engineering, and potentially focusing on alternative energy.

What are your plans for the summer? This summer, I am planning on going on a service trip to Senegal with my church to help underprivileged children in the city of Dakar. I am also going to spend time with friends and family at home before going off to college.

What are your career goals? My main career goal is to work in management of a company related to the energy sector, especially in alternative fuels. I plan on doing this after going back for a doctorate degree.

Academic Information

What course of study have you followed in high school (i.e. college prep, business, industrial, etc)?
College prep/honors (highest available at my school)

Class standing : 1 of 225

High School GPA: 4.901

List SAT and/or ACT College Board Examination Scores: (Scores not appearing in your official transcripts may be submitted if attested by a high school official.)

1. ACT 35
2. SAT 1490 (770 Math, 720 English)
3. SAT 1480 (710 Math, 770 English)

Academic Honors Received (awards, prizes or distinctions). Please include applicable year.

National Merit Scholar (12th), Sunshine State Scholar (11th), Valedictorian (12th), Winner of Hydrogen Horizon Automotive Challenge (Hydrogen car competition) (9th),

Extra-Curricular Information

School activities/clubs (list separately with years involved and office held, if any)

Beta Club (3 years, treasurer senior year), National Honor Society (2 years), National Spanish Honor Society (3 years), Science Club (1 year)



School Sponsored Athletic Programs

(List separately with years involved)

Football (4 years, 3 on varsity, rotating captain senior year), Weightlifting (3 years)



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Community Service/Civic Groups

(List separately with years involved)

First Baptist Church Callahan Youth (over 300 service hours over 4 years, serving in Senegal, Indianapolis, Worcester, Birmingham, and locally). First Baptist Callahan Lighting and Sound (3 years running the sound board and computers for adult service). First Baptist Callahan Youth Band (3 years playing keyboard)

Special recognition received: none

Hobbies and outside interests: Travelling, Swimming, and Hunting

Work Experience

Describe any work experience. How long did you work there, what were your responsibilities, and what did you do with your earnings? I work periodically as an auditor at Ace Hardware. I am called in by the owner to ensure all firearm sales are properly documented by his employees. I have done this for 2 years. I have saved my earnings for college, and recently purchased the laptop I will be using at school.

What has your work experience taught you? My work experience has taught me that reputation speaks for itself. I personally did not know the owner well, but through connections at church he actually sought me out



for the job since it requires a decent amount of trust. The job has also taught me that I do not want to work as an auditor as a career.

Describe any extraordinary responsibilities you have at home or any information you think may be relevant for the judges to see. None

NUCANF Scholarship Essay

In the field of chemical engineering today, a growing concern is the use of fossil fuels. Issues range from their long-term availability to their potentially negative impacts on the environment. While I do not agree that the consumption of nonrenewable resources should end completely, I do see a need for energy and automobile companies to invest in renewable energy. Personally, I am partial to the prospect of hydrogen power, at least for vehicles. The process of making hydrogen fuel is fairly simple. Water is separated to obtain hydrogen using some electric current (obtained by perhaps solar or geothermal energy), and this can be used to power fuel cells in vehicles. The only physical product of such a reaction is water. As the trucking industry accounts for a large percentage of fossil fuel consumption, an inexpensive production method would help the environment while revolutionizing shipping by creating a near-limitless fuel source – water. In the current state, however, hydrogen fuel (as well as other alternatives) generally costs more than gasoline and diesel. To encourage innovation, which in theory should drive prices lower, I suggest that a small fuel tax be levied on the purchase of nonrenewable fuels. The proceeds could go to stimulate growth of alternative fuels.

Another major issue in chemical engineering is a general lack of public knowledge of the discipline. From personal experience, I have not met more than a handful of people outside of college campuses who truly know what a chemical engineer does. While students are often encouraged to change majors in college, I feel that high schools are generally not doing enough to inform students on the scope of various disciplines, especially in science and engineering. This leads to confused students who may end up with a degree in a field different than their true passion. Chemical engineering has especially fallen into this spiral of obscurity, with many

simply thinking chemical engineers and chemists are the same thing. Ultimately, this leads to a lack of properly skilled workers in the discipline, as well as other disciplines being oversaturated with workers.

Overall, the prospects of the field of chemical engineering greatly outweigh the issues it faces. It will likely continue to expand into the future, creating new challenges that employees will face. As a rising college freshman, I have not experienced any issues in this field firsthand, but I know that through my studies and hands-on experience that there is no issue that cannot be solved.



West Nassau County High School

One Warrior Drive, Callahan, FL 32011
Telephone (904) 879-3461 – Fax (904) 879-5843

Appli. #5

Curtis S. Gaus
Principal

Kelly Burnette
Assistant Principal of
Curriculum and Instruction

Richard Pearce
Assistant Principal of
Discipline and Attendance

RE:
May 24, 2018

To the National Utility Contractors Association of North Florida Scholarship Committee:

I have the distinguished honor to present to you my most prized pupil in all my 15 years as an educator, [redacted]. None of my previous students have been able to achieve the level of excellence and academic superiority as [redacted]. As an 8th grader, [redacted] scored a 30 on the ACT. It was at that moment I knew I was teaching greatness and experiencing something special. [redacted] intellect was rarely rivaled during class debates and discussions. To be honest, [redacted] is the only student that has challenged me to be a better teacher. [redacted] very presence demands a higher standard of rigor and attention to detail that no other student can rival. [redacted] displays [redacted] academic authority through [redacted] class-leading GPA, [redacted] ACT score of 35 and an SAT score of 1540. Furthermore, [redacted] was recognized as a National Merit semi-finalist and a Sunshine State Scholar. [redacted] consistently has the highest average in my AP US History class, which is not an easy task, when it is commonly recognized as one of the hardest courses in the school. [redacted] success is apparently a result of natural ability and intellect, but it is supported by an inspiring work ethic.

In addition to [redacted] ability to be an intellectual juggernaut, [redacted] is highly involved in the community of Callahan, Florida. [redacted] is involved in [redacted] church, which has opened up avenues of service opportunities within and outside of his town. [redacted] spent a summer in Senegal providing fresh water and shelter to some of the indigenous people of the area. During basketball season, you will find [redacted] at the church gym every Saturday morning coaching younger children in our community. And then on Saturday evenings, you will discover [redacted] volunteering in the Saturday night church service as the light or lyric technician. [redacted] foundation in the church has provided [redacted] manly likable attributes, such as humility, compassion, an unwavering moral compass, and a love for [redacted] fellow peers. It has been an honor to teach this brilliant young [redacted] for four years, and I know [redacted] will be an asset to your prestigious academic institution.

AP US History
Minister of Music at The Church at Sun Coast
Member of the Planning and Zoning Board

Official Transcript

Graduation Date:

Diploma / Certificate Type:

Assessment Requirement for Graduation Purposes:
Algebra I: 4/21/2014

Reading: 04/2016

Printed On: 5/17/2018
Community Service Hours: 319

Academic Promotion Status:

School Name/Address	
WEST NASSAU COUNTY HIGH SCHOOL	
CALLAHAN, FL	
District Number 45	
School Number 0191	
Tel: (904) 879-3461	School Alternate Number: -- Counselor: No
GPA Summary	
Weighted GPA: 4.899	
UnWeighted GPA: 4.000	
Class Rank is 1/226	
Total Credits Attempted: 40.50	
Total Credits Earned: 40.50	

A = 90-100, B = 80-89, C = 70-79, D = 60-69, F = 0-59
Course Flag "H" = Honors, "X" = Course excluded from GPA, "I" = Course included in GPA
2014-2015
; 0191 -

Course Number	Teacher	Grade Level	Subject	Credits Attempted	Credits Earned	Course Status	District Assessment	Credit By	Industry Assessment	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1 Semester	Quarter 2 Semester
ALG 2 HON	Moore, Nancy	09	Mathematics I	1	1	45								A (99%)	
BIO 1 HON	Godwin, Kimberly	09	Biology	1	1	45									A (100%)
HOPE-PE V	Langford, Jackie	09	Hope	1	1	45								A (100%)	
EXP SCI I HON	Braddock, Shari	09	Electives	1	1	45								A (99%)	
ENG HON 1	Al-Sayyad, Ayisha	09	English	1	1	45								A (96%)	
SPANISH 1	Karsch, Theodore	09	World (Foreign) Languages Elective	1	1	45								A (100%)	A (97%)

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STRATEGIES FOR SUCCESS IN COLLEGE, CAREER CLEP A&I LITERATURE														A (95%) T	
C907, SLS1103 FSCJ	11	Electives	0.5	0.5	99										
1005902	11	English	1	1	99										
4.000	Credits this term		2.50												
5.000	Cumulative Credits		18.50												
4.000															
4.771															
2016-2017															
: 0191 - WEST NASSAU COUNTY HIGH SCHOOL															
Course Number	Teacher	Grade Level	Subject	Credits Attempted	Credits Earned	Course District Assessment Status	Credit By Industry Assessment	Certifications	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Semester 1	Semester 2	
DRAFT I	Companion, Robert	11	Practical Arts with Artistic Content	1	1	45								A (100%) A (100%)	
PHYS I HON	Siusta, Karol	11	Equally Rigorous Career & Technical (excluding 1 courses coded PA)	1	1	45								A (100%) A (99%)	
FOUND OF PROGRAMMING	Thompson, Kalvin	11	Technical (excluding 1 courses coded PA)	1	1	45								A (100%) A (100%)	
PROCEDURAL PROGRAM	Thompson, Kalvin	11	Career & Technical (excluding 1 courses coded PA)	1	1	45								A (100%) A (100%)	
PHILOS HON ETHICS	Bryan, James	11	Electives	1	1	45								A (100%) A (99%)	
SPANISH 4 HON	Grant, Sherrie	11	World (Foreign) Languages Elective Career & Technical (excluding 1 courses coded PA)	1	1	45								A (100%) A (99%)	
OBJ-ORIENT PROGRAM	Thompson, Kalvin	11	Technical (excluding 1 courses coded PA)	1	1	45								A (99%) A (100%)	
ADV PL CPTR SCIA	Thompson, Kalvin	11	Electives	1	1	45								A (99%) A (100%)	
FRSH ENG I	Pulliam, Laura	11	English	1	1	45								A (99%) A (99%)	
FRSH ENG II	Pulliam, Laura	11	English	1	1	45								A (95%) A (95%)	
GPA															

- WEST NASSAU COUNTY HIGH SCHOOL

Weighted GPA 5.000 Cumulative Credits 28.50
 Cumulative GPA 4.000
 Cumulative Weighted GPA 4.855

2016-2017

; 0600 - FLORIDA VIRTUAL SCHOOL FLEX 9-12

US GOVT HON

GPA

Weighted GPA

Cumulative GPA

Cumulative Weighted GPA

2017-2018

; 0600 - FLORIDA VIRTUAL SCHOOL

FLEX 9-12

AP STAT

ECONFIN LIT HON

AP CALCULUS BC

GPA

Weighted GPA

Cumulative GPA

Cumulative Weighted GPA

2017-2018

; C907 - Florida State College at Jacksonville

COLLEGE ALG

GPA

Weighted GPA

Cumulative GPA

Cumulative Weighted GPA

2017-2018

; 0191 - WEST NASSAU COUNTY HIGH SCHOOL

CALCULUS HON

ANAT PHYSIO HON

BIOTECH I

ADV PL U.S. HIST

Course Number	Teacher	Grade Level	Subject	Credits Attempted	Credits Earned	Course District Assessment Status	Credit By Industry Assessment	Certifications	Semester 1
2106320	FLVS	11	American Government	0.5	0.5	71			A (97%)
			Credits this term						
			Cumulative Credits						

Course Number	Teacher	Grade Level	Subject	Credits Attempted	Credits Earned	Course District Assessment Status	Credit By Industry Assessment	Certifications	Semester 1	Semester 2
1210320	FLVS	12	Mathematics I	1	71				A (97%)	
2102345	FLVS	12	Economics	0.5	71				A (99%)	A (95%)
1202320	FLVS	12	Mathematics I	1	71				A (98%)	A (94%)
			Credits this term		2.50					
			Cumulative Credits		31.50					

Course Number	Teacher	Grade Level	Subject	Credits Attempted	Credits Earned	Course District Assessment Status	Credit By Industry Assessment	Certifications	Semester 2
MAC1105	C907, FSCJ	12	Mathematics I	1	99				A (95%)
			Credits this term		1.00				
			Cumulative Credits		32.50				

Course Number	Teacher	Grade Level	Subject	Credits Attempted	Credits Earned	Course District Assessment Status	Credit By Industry Assessment	Certifications	Quarter 1	Quarter 2	Quarter 3	Quarter 4
1202300	McElroy, Courtney	12	Mathematics I	1	45				A (100%)	A (100%)		
2000360	Zobel, Karen	12	Equally Rigorous	1	45				A (100%)	A (100%)		
3027010	Zobel, Karen	12	Equally Rigorous	1	45				A (100%)	A (100%)		
2100330	Bryan, James	12	American History	1	45				A (98%)	A (99%)		

- WEST NASSAU COUNTY HIGH SCHOOL

AP CALCULUS AB	1202310	McElroy, Courtney	Mathematics I	1	45	A (100%)	A (100%)
BIOTECH 2	3027020	Zobel, Karen	Equally Rigorous	1	45	A (100%)	A (100%)
GPA			Credits this term		6.00		
Weighted GPA			Cumulative Credits		38.50		
Cumulative GPA					4.000		
Cumulative Weighted GPA					4.893		

CERHB001
Biotechnician
Assistant: P -
Passed all
assessments or
certifications

WEST NASSAU COUNTY HIGH SCHOOL

Courses In Progress

AP CALCULUS AB

BIOTECH 2

COLLEGE ALG

VISIONS/COUNTER HON

1202310

3027020

MAC1105

2100480

0.50

0.50

1.00

1.00

Immunization Information

Permanent immunization, 7th Grade requirements, DH 680 A [8]

School entry health examination certified. [Y]

Vaccination	Exemption	Comply	Vaccination Date 1	Vaccination Date 2	Vaccination Date 3	Vaccination Date 4	Vaccination Date 5	Vaccination Date 6	Vaccination Date 7	Temp Exempt Date
DTP vaccine		No	8/21/2000	10/23/2000	1/17/2001	2/7/2002	6/30/2005			
Polio vaccine		No	8/21/2000	10/23/2000	3/28/2001	6/30/2004				
Hib Haemophilus Influenza Type B vaccine		No	8/21/2000	10/23/2000	1/17/2001	9/26/2001				
MMR (Measles, Mumps and Rubella) vaccine		No	6/25/2001	6/30/2005						
Hepatitis B vaccine - 3 doses		No	10/23/2000	1/17/2001	3/28/2001					
VZV (Varicella) vaccine		No	6/25/2001							
Tdap (Tetanus-Diphtheria-Pertussis) vaccine		Yes	6/22/2012							

Annette Jarvis
Official's Signature

5-17-18

Date

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