



***PINE FOREST HS***

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***BE FUTURE  
READY***

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***ACADEMY OF  
INFORMATION TECHNOLOGY***



Dr. Juelle McDonald  
Principal



Jennifer Ivey  
Director





**PINE FOREST**



# Academy Teachers



*Mrs. Dionne Drakes*

Web Design and Professional Ethics



*Ms. Jazmin Vann*

Excel Honors and IT Fundamentals



*Mrs. Liauna Jordan*

Adobe Visual Design, Video Design  
& Digital Design

# Mission of PFHS AOIT

- Designed to facilitate the transition from high school to more advanced training and eventually a career in the information technology industry
- Affiliated with and administered by NAF



# Mission of NAF

- An educational non-profit organization
- NAF is a national network of education, business, and community leaders who work together to ensure high school students are college, career, and future ready.





How do your Academy classes work with graduation requirements?

Our program aligns with North Carolina graduation requirements.

**Information Technology: Computer Engineering and Python Programming Pathways**  
**Career Pathway Plan of Study for ► Learners ► Parents ► Counselors ► Teachers/Faculty**

This Career Pathway Plan of Study (based on the Programming and Software Development Pathway of the Information Technology Career Cluster) can serve as a guide, along with other career planning materials, as learners continue on a career path. Core courses listed within this plan are individualized to meet each learner’s educational and career goals. This Plan of Study meets appropriate high school graduation, college entrance, and Academy of Information Technology requirements.

EDUCATION LEVELS	GRADE	English/ Language Arts Course Offerings	Math Course Offerings	Science Course Offerings	Social Studies Course Offerings	Other Required Courses Other Electives Recommended Electives Learner Activities	*Career and Technical Courses and/ or Degree Major Courses for Programming and Software Development Pathway	SAMPLE Occupations Relating to This Pathway
SECONDARY	9	•English I, or •English I Honors	•Introductory Math; •Foundations of Math1; •Math 1; or •Math 1 Honors	•Earth/Environmental Science; •Earth/Environmental Science Honors	•World History; •World History Honors	Health/PE	•Web Design/Professional Ethics, and •Excel Honors	► Applications Analyst ► Applications Engineer ► Business Analyst ► Computer Engineer ► Data Modeler ► Game Developer ► Operating System Designer/ Engineer ► Program Manager ► Programmer ► Programmer Analyst ► Project Lead ► Software Applications Specialist ► Software Applications Tester ► Software Design Engineer ► Systems Administrator ► Systems Analyst ► Test Engineer ► Tester
	10	•English II, or •English II Honors	•Foundations of Math 1; •Math 1; •Math 1 Honors; •Math 2; or •Math 2 Honors	•Biology •Biology Honors; or •Physical Science •Physical Science Honors	•AP World History; •AP Human Geography; or •American History 1; •American History 1 Honors	2 Electives of choice	•Adobe Visual Design; and •CompTIA IT Fundamentals	
	11	•English III •English II Honors; or •AP Language	•Math 2; •Math 2 Honors; •Math 3 •Math 3 Honors; •Pre-Calculus; •Pre-Calculus Honors; •Math 4; or •an Advanced Math	•Chemistry Honors; •Biology; or •Physical Science	•AP US History; or •American History II; •American History II Honors	2 Electives of choice	<u>Computer Engineering Pathway:</u> FTCC CTS 120; FTCC CTS 220 <u>Python Programming:</u> FTCC programming classes (2)	
	12	•English IV; • English IV Honors; or •AP Literature	•Pre-Calculus; •Math 3; •Math 3 Honors; •Math 4; or •an Advanced Math		•Civics & Economics; •Personal Finance	OPTIONAL Electives: •Advanced Studies •Adobe Video Design	<u>Computer Engineering Pathway:</u> FTCC Options <u>Python Programming:</u> FTCC Options	Foreign Language 2 years of the same language is required for the UNC system schools





## Who can be accepted in the Pine Forest Academy?

- Students are accepted into the Academy as rising 9<sup>th</sup> graders or rising 10<sup>th</sup> graders.
- We accept in-district as well as out-of-district students.



How long are students in the academy?

Our program is for 9<sup>th</sup> through 12<sup>th</sup> grade.



Can an out-of-district student participate in sports at Pine Forest and be in the Academy?

Yes. Both in-district and out-of-district students can participate in sports, band, orchestra, ROTC, and clubs at Pine Forest.





I don't live in the Pine Forest District. How will I get to school?

Out-of-district students are responsible for their own transportation to and from school.



# Do students have to wear a uniform?

Students wear a uniform once a week which consists of a polo shirt, khaki or black pants, and brown or black shoes. Uniform requirements are detailed in our student handbook.



## Do students have to pay dues?

Students pay initial dues of \$40. Dues pay for the initial uniform shirt, initial Academy t-shirt, and other Academy expenses. Dues are \$20 after the first year which includes an academy t-shirt.



# TESTIMONIALS

As an AOIT graduate, I was not sure how my technology background would play out in my life. I had no intention of studying or working in technology post high school. Due to my background and skillset learned in the program, I was able to utilize my experience in this program to land an internship at Google. Recently, I was offered a fulltime role into their Human Resource Associate Rotation Program in the Silicon Valley. Without my experience in AOIT, I would not have received that opportunity. The program offers you a foundation and family to be successful in every endeavor after graduation and I would highly encourage students to join the program.

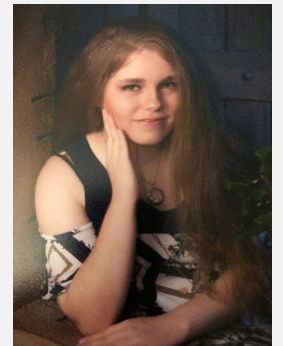


Grant Bennett, Class of 2016

# TESTIMONIALS

The Academy of Information Technology gave me amazing life experiences. I was given a chance to participate in SkillsUSA on local, regional, state and national levels, as well as job networking and an internship. I had originally intended to go for a biology major and become a veterinarian. However, I had a change of heart and began to reconsider my career options. In my sophomore year, I went on a field trip to Methodist University and learned about their digital forensics and cybersecurity programs. After careful consideration, I enrolled in Methodist University, changed my intended major from biology and am now pursuing a degree in computer science.

Belle Johnson, Class of 2020



# TESTIMONIALS

I enjoy AOIT because I enjoy working with computers and learning new things. Although my career choice is still undecided, the Academy has given me skills that will help me no matter what I do.

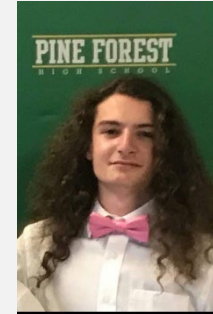


Trevor Antonson, Class of 2021



# TESTIMONIALS

Coming into Pine Forest knowing absolutely no one, the Academy of Information Technology shaped my time in high school. It gave me a group of people that I shared four classes a year with and was how I made friends when I initially came to Pine Forest. It has given me many opportunities such as dual enrollment at FTCC and community service time. The Academy has become almost like a second family to me; if I could redo my time in high school, I would join the Academy again every time.



Ty Antonson, Class of 2021



# Director Contact Information:

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We look forward to your joining the Pine Forest High School Academy of Information Technology

