

# Beachside High School Programs of Interest 2024-25



## Career Academies of Beachside High School

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Cambridge Assessment  
International Education

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Cambridge International School

# Career Technical Education Students

- ▶ Hands On Learning: Lab's, Role Plays, Project Based Learning
- ▶ Field Experiences: Field Trips to local businesses and post secondary institutions.
- ▶ Career Technical Student Organizations: After School Activities
- ▶ Guest Speakers: Professionals pushing in to bring real world examples

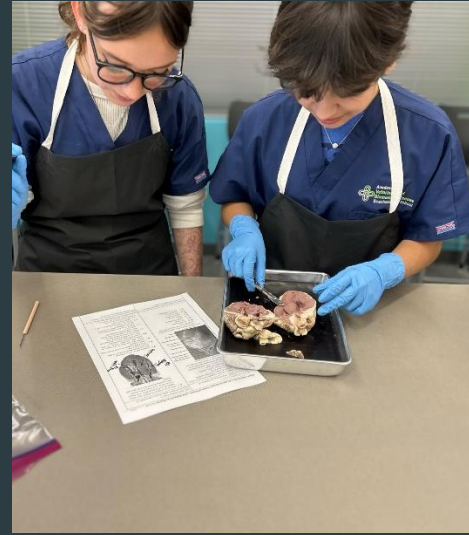
## 11<sup>th</sup> Grade

Summer Internships  
Application in January

## 4<sup>th</sup> Year Cap Stone

Optional year, for students  
to complete a Cap Stone  
Project

# Academy of Biomedical Science



- ▶ Uniform: Scrubs
- ▶ Field Studies: Hospital Tours, Therapy Centers, First Responders,
- ▶ Advisory Board Members: Ascension, UNF, UF, ARC Point Labs, UF Health,
- ▶ HOSA: Future Health Care Professionals

# Biomedical Science

## Career Pathways

- ▶ Physician/P. Assistant
- ▶ Pharmacist
- ▶ Forensic Scientist
- ▶ Dentistry
- ▶ Laboratory Technician
- ▶ Microbiologist
- ▶ Biomedical Scientist
- ▶ Neuroscientist
- ▶ Histologist
- ▶ Bioinformatician

Course	Course Name	Key Concepts/ Certification
Year 1	Principles of the Biomedical Sciences	<a href="#">CPR Certified</a> Forensic science and medical examination Patient diagnostics and clinical care Public health and disease outbreak
Year 2	Human Body Systems	Anatomy and Physiology Physical Therapy Muscular Deformities Treatment Plans Intro to Sports Medicine: Respiratory and Cardiovascular System Immune System
Year 3	Medical Interventions	<a href="#">BACE BioTechnician Assistant Certification</a> Biotechnical Laboratory Skills Project Development Bacterial Studies Genetic Engineering Develop Diagnostic and Treatment Plans
Year 4	Biomedical Innovation	Cap Stone Project Biomedical Engineering Independent Research

# Academy of Global Logistics and Supply Chain

Proud Sponsor



## Global Logistics and Supply Chain

- ▶ Uniform: Collared Dress Shirt (purchased through academy)
- ▶ Field Studies: Jax port, Airport, Warehousing Centers, Manufacturing Centers, Distribution Centers,
- ▶ Advisory Board Members: Jax Port, Coca-Cola, Treace Medical, Suddath, CSX, Sprouts, Crowley, Atlantic Logistics
- ▶ DECA: Together, we can prepare emerging leaders and entrepreneurs for college and careers.

# Global Logistics and Supply Chain

## Career Pathways

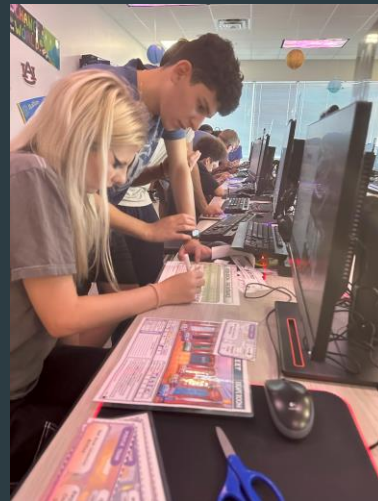
- ▶ Logistics Engineer
- ▶ Consulting
- ▶ Analyst: Supply Chain, Production, Distribution, etc.
- ▶ Management
  - ▶ Transportation
  - ▶ Warehouse
  - ▶ International Logistics
  - ▶ Distribution
  - ▶ Materials

Course	Course Name	Industry Certifications
Year 1	Global Logistics and Supply Chain Technology	Entrepreneurship In Small Business Certified Logistics Assistant Business 101 Supply Chain 101
Year 2	Global Logistics Operations	Certified Logistics Assistant Certified Logistics Technician Warehousing Processes/Safety Forklift Certification
Year 3	Global Logistics Management	Project Management Certified Logistics Assistant Certified Logistics Technician Supply Chain Management and Operations Case Study and Real World Analysis
Year 4	Introduction to Information Technology Applications	Cap Stone Project Innovation in Technology in Supply Chain



# IT Academy: Computer Science

- ▶ Uniform: Collared Polo Shirt (purchased through the academy)
- ▶ Field Studies: Government, Event Spaces, Consulting, Space Center, Corporations
- ▶ Advisory Board Members: CitiBank
- ▶ National Computer Honor Society
- ▶ Barracoders
- ▶ NASA Robotics League



# Academy of Information Technology: Computer Science

Course Number	Course Name	Industry Certifications
Year 1	Foundations of Programming	ITS JavaScript ITS Computational Thinking
Year 2	Procedural Programming	ITS Python
Year 3	Object Oriented Programming	ITS Java
Year 4	AP Computer Science Principles OR <i>AP Computer Science A</i>	AP Exam ITS Python ITS Java

# Digital Media Technology



Course Number	Course Name	Industry Certifications	Project
Year 1	Digital Media Fundamentals	Photoshop	Magazine
Year 2	Digital Media Production Systems	Premiere Pro	Video Production
Year 3	Digital Media Delivery Systems	CIW Social Media Strategist	Social Media
Year 4	AP: Advanced Digital Media Systems	After Effects Illustrator	Media Editors and Chiefs



# Academy of Veterinary Science

Proud Sponsor



- ▶ Uniform: Scrubs (purchased through academy)
- ▶ Beachside Animal Wellness Clinic
  - ▶ Pupacuda Playtime
- ▶ Field Studies: Agricultural Centers, Marine Centers, Local Clinics, Animal Educational Centers.
- ▶ Advisory Board Members: Pets R Family, FurEver Vets, K9 For Warriors, University of Florida College of Veterinary Science, Palencia Pet Clinic, HESKA, Patterson Veterinary










# Beachside High School

## YEAR 24-25

Course	Course Name	Key Concepts/Certifications
Year 1	Veterinary Assisting 1	<a href="#">ELANCO Animal Science</a> Animal Safety/Restraint Animal Behavior Cage Cleaning Grooming: Nail Trim Agricultural and Livestock Care Clinical Professionalism
Year 2	Veterinary Assisting 2  Internships Start at the end of Year: 250 Required Hours for the Certified Veterinary Assistant	<a href="#">ELANCO Animal Science</a> Agricultural and Livestock Care Large Animal Care Anatomy and Physiology Animal Identification Animal Nutrition and Feeding Euthanasia and Disposition
Year 3	Veterinary Assisting 3	<a href="#">Certified Veterinary Assistant</a> Laboratory Equipment Parasites Fecal and Urine Collection Radiology Pharmacology Medical Mathematics Surgical Procedures
Year 4	Veterinary Assisting 4	<a href="#">Certified Veterinary Assistant</a> Cap Stone/Clinic Management

# Parent Academy Involvement

▶ [Click Here](#)

- Learn about joining the Advisory Board 
- I or my business would like to become a sponsor 
- Guest Speaker 
- Academy PTSO Committee Liaison 
- Host Class Field Trip 
- Mentor Students 
- Assist with Academ Events 



# BEACHSIDE HIGH SCHOOL ACADEMY SPONSORSHIP LEVELS

LEVEL 1	LEVEL 2	LEVEL 3
Company Logo  Posted in Classroom  Printed on Academy Handouts	Company Logo  Posted in Classroom  Printed on Academy Handouts  On BHS Website	Company Logo  Posted in Classroom  Printed on Academy Handouts  On BHS Website  Printed in Yearbook  Shared on Social Media
\$500-\$1,000	\$1,000-5,000	\$5,000- UP

Click or Scan to become a sponsor today!





Cambridge Assessment  
International Education

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Cambridge International School

**Beachside High School**  
**Cambridge AICE Program**

# What is the Cambridge AICE Program?

## ▶ What is AICE?

- ▶ “AICE” is the Advanced International Certificate of Education
- ▶ International Pre-University Preparation Program developed by the Cambridge Assessment Group
- ▶ Internationally recognized in over 160 countries worldwide

## ▶ Who should take AICE?

- ▶ Honors level, highly motivated students, international mindedness

## ▶ What does AICE look like at Beachside?

- ▶ AICE DP Program (Diploma Program—7 AICE classes/ 3 years)
- ▶ AICE Certificate Program (Select coursework—subject options)

# How are AICE courses organized?



## BHS AICE Course Offerings by Group



<b>Core Group 0 – Cambridge Global Perspectives (Compulsory)</b>		
9239 Global Perspectives & Research*		
<b>Group 1 – Mathematics/Sciences</b>	<b>Group 2 – Languages</b>	<b>Group 3 – Arts &amp; Humanities</b>
8291 Environmental Management** 9618 Computer Science (Exam ONLY) 9702 Physics 9709 Mathematics (Exam ONLY) 9990 Psychology**	8022 Spanish Language (Exam ONLY) 9093 English Language	8291 Environmental Management** 9395 Travel & Tourism 9481 Digital Media & Design (Exam ONLY) 9482 Drama 9483 Music (Chorus ONLY) 9489 History (International) 9695 Literature in English 9708 Economics (Exam ONLY) 9990 Psychology**
<b>Group 4 – Interdisciplinary Subjects (Optional)</b>		
8021 English General Paper****    9239 Global Perspectives & Research    9695 Thinking Skills		

\* Candidates who pass the Cambridge International AS & A Level Global Perspectives & Research at A Level meet the compulsory requirement of the Core group (AS Level Global Perspectives & Research). They have one credit left which counts in Group 4 to contribute to the overall requirement of seven credits.

\*\* 8291 Environmental Management, 9396 Physical Education and 9990 Psychology can be taken as a qualifying subject in either Group 1 or Group 3. Each subject can only be used to fulfil the criteria for a single subject group.

\*\*\* 8695 Language & Literature in English can be taken as a qualifying subject in either Group 2 or Group 3. This subject can only be used to fulfil the criteria for a single subject group.

\*\*\*\* 8021 English General Paper can only be taken as a qualifying syllabus in Group 4 – Interdisciplinary Subjects.

# What are the benefits of the Cambridge AICE Program?

- ▶ Flexible curriculum
  - ▶ Ability to take AICE classes all four years
  - ▶ Ability to take AP/DE classes alongside AICE curriculum
- ▶ GPA boost
  - ▶ AICE classes count as an additional quality point on GPA (5pts on a 4.0 scale)
- ▶ College success skills—writing ability, speaking ability, time management
- ▶ Increase in college admissions
- ▶ Ability to earn college credit
- ▶ Bright Futures Scholarship and other scholarships
  - ▶ AICE students who earn the AICE Diploma may qualify for 100% Bright Futures

# What does it mean to be an AICE/Academy student at BHS?

- ▶ Increase in rigorous coursework
- ▶ Greater academic demands
- ▶ Greater behavioral expectations
- ▶ Greater student involvement in school/community
- ▶ Held to a higher standard

## Beachside High School

**Greg Bergamasco**  
Principal

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**Mollie Altick**  
**Ryan Sirak**  
**J.P. Swope**  
Assistant Principal

### Cambridge Advanced International Certificate of Education Cambridge AICE

#### BHS AICE Academic Honor Code

Membership in the Beachside High School AICE Diploma Program is a privilege. Due to the rigor of the program, academic and behavioral standards are necessary. In order to complete the AICE Diploma Program of Study, students must complete all coursework and assessments as required by Cambridge International for diploma candidacy, *i.e.*, completion of seven (7) AS or A level courses, including the compulsory core subject, Cambridge International AS Level Global Perspectives & Research, in addition to community service/paid work requirement of 100 hours. Students who complete the AICE Diploma must earn a minimum of 14 AICE credits (7 courses and examinations) in the Diploma Core and three (3) academic areas/groupings over three years.

**Academic Guidelines:** "Academic alerts" will be issued for students in the AICE Diploma Program whose GPA falls below a 2.0 and/or have D's or F's in AICE or any academic class at the end of each semester. The student's teacher and/or program counselor/coordinator will notify parents via email or phone. If GPA/grades do not improve following the semester grade, a parent conference will be scheduled and the student's placement in the AICE Diploma Program will be re-evaluated. A final grade of an F in any class will be considered a disqualifying condition and the student will be placed on academic probation with possible removal from the AICE Diploma Program.

**Academic Honesty:** Honesty and integrity form the cornerstone of the AICE Honor Code at Beachside High School and as such are central to the high standards to which all students should strive. While the administration, faculty, and staff of BHS take the necessary precautions to educate students on academic honesty, proper citation format and styles, and the use of plagiarism detection resources such as Turnitin.com, it is the student and parents' responsibility to ensure that students cite their sources so readers can find them and fully list their sources in a standard reference format and citation page. Students must make clear which words, ideas, images, and works are not their own, give credit for copied, adapted, and paraphrased material, and cite all sources appropriately in the text and reference page. The use of Artificial Intelligence for purposes of research, writing, and/or creation of any academic material is strictly prohibited and is a violation of the BHS AICE Honor Code.

Violations of the BHS AICE Academic Honesty policy and the Academic Honesty Policy of Cambridge International consist of cheating, plagiarism, collusion, misconduct, communication about the content of an examination (within 24 hours), or duplication of work. Cheating includes the actual giving or receiving of any unauthorized aid or assistance on any form of any academic work, while plagiarism/duplication of work includes the copying of or representation of another's work as one's own. Additionally, collusion is defined as supporting academic misconduct by another student, and misconduct includes taking unauthorized material into

Visit us online at:  
<https://www-bhs.stjohns.k12.fl.us/aice/>



**Join our BHS AICE Booster Club!**

See the table outside for more information on how you can help!



Don't forget to follow us on  
Facebook @  
"Beachside High School AICE  
Booster Club"

# Contact us!

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Email our BHS AICE Boosters:  
Coming soon!