

## FORT WALTON BEACH HIGH SCHOOL CHOICE INSTITUTES



**CHOICE** is a unique program for high school students. CHOICE provides students with nationally recognized industry certifications and a solid foundation whether they plan to enter the workforce immediately after high school or continue their education at a career center, community college, or university. It lets students earn high school credit, possible college credit, and nationally-recognized industry certification – all at the same time. The students of Okaloosa County have more educational options than ever before!

### **CHOICE Benefits:**

- Choose from a wide variety of Institutes and Pre-Institutes
- Earn possible college credit at no cost to your family while attending high school
- Learn from industry-certified experienced professionals in state-of-the-art classrooms
- Earn national industry certifications that lead to high skill/high wage positions
- Qualify for Florida Bright Futures and Gold Seal Scholarships

For more information of CHOICE please visit: <http://www.choice-institutes.com/index.html>

### **Fort Walton Beach High School is home to five (5) CHOICE Institutes:**

- **Biomedical Sciences Institute**
- **Drafting/Illustrative Design Technology Institute**
- **Digital Design Institute**
- **Digital Media Technology Institute**
- **Web Development Institute**



### Biomedical Sciences Institute @ Fort Walton Beach High School

The Biomedical Sciences (BMS) Program is a sequence of courses, all aligned with appropriate national learning standards, which follows a proven hands-on, real-world problem-solving approach to learning. Students explore the concepts of human medicine and are introduced to topics such as physiology, genetics, microbiology and public health.

Through activities, like dissecting a heart, students examine the processes, structures and interactions of the human body – often playing the role of biomedical professionals. They also explore the prevention, diagnosis and treatment of disease, working collaboratively to investigate and design innovative solutions to the health challenges of the 21st century such as fighting cancer with nanotechnology. Throughout BMS, students acquire strong teamwork and communication practices, and develop organizational, critical-thinking, and problem-solving skills. Along the way students investigate a variety of careers in biomedical sciences.



### Biomedical Sciences Program of Study:

- Principles of the Biomedical Science
  - Human Body Systems
  - Medical Interventions
- Biomedical Innovation (Capstone Course)



## BIOMEDICAL SCIENCE FLOW CHART

<b>BIOMEDICAL SCIENCE COURSE</b>	<b>MATH COURSE Concurrently</b>	<b>SCIENCE COURSE Concurrently</b>
<b><u>9<sup>TH</sup> GRADE: YEAR 1</u></b> <b>PBS: Principles of the Biomedical Science</b> ✓ 8 <sup>th</sup> Grade FSA Reading = Level 4 or 5	Algebra 1 Honors or higher	Biology 1 Honors
<b><u>10<sup>TH</sup> GRADE: YEAR 2</u></b> <b>HBS: Human Body Systems</b> ✓ Completed PBS with an A/B ✓ Teacher Recommendation	Geometry 1 Honors or higher	Chemistry 1 Honors
<b><u>11<sup>TH</sup> GRADE: YEAR 3</u></b> <b>MI: Medical Interventions</b> ✓ Completed HBS with an A/B ✓ Teacher Recommendation	Algebra 2 Honors or higher	Physics 1 Honors or AP Biology or AP Chemistry or AP Environmental Science or AP Physics 1 or AP Physics 2
<b><u>12<sup>TH</sup> GRADE: YEAR 4</u></b> <b>BI: Biomedical Interventions (Capstone Course)</b> ✓ Completed MI with an A/B ✓ Teacher Recommendation	Pre-Calculus Honors or higher	

### **Recommendations:**

AP Statistics, AP Calculus AB, and AP Calculus BC are strongly recommended. Also, AP Psychology is recommended after Human Body Systems. AICE Thinking Skills 1 & 2 are also recommended.

### **Certification:**

It is possible to earn the University of Florida's Biotechnician Assistant Certificate after completing Years 1 through 3 and biology and chemistry.

- Students are required to take the UF Biotechnician Assistant Credentialing Exam (BACE) and score an 80% to pass.

### **College Credit:**

- If attending the University of West Florida, a student can receive 12 hours in their Biology/Pre-professional Specialization B.S.
- College credit can be earned at participating universities and colleges across the country. See teacher and school of interest for requirements.





**Homepage**

Programs

Prospective  
Students

Partners

News

Application  
Process

## Programs

### **Sports Medicine and Exercise Science (Olathe North)**

Combine your interest in science and sports through this award-winning hands-on curriculum. Students in this four-year program:

- Explore a variety of health career fields through coursework, shadowships, projects and internships.
- Mentor with a professional athletic trainer.
- Assist in the assessment of athletic injuries on the field and in their rehabilitation in a well-equipped training facility.
- Participate in the only high school EMS training program in the area.



This program is offered to all Olathe district students in grades 9-12. Students enrolling in the Sports Medicine & Exercise Science program will attend Olathe North full-time. District transportation is provided to and from school.

For more information about the program please contact Sarah Hanson, [shansonon@olatheschools.org](mailto:shansonon@olatheschools.org)

Parents of current 21st Century High School Program students may access student program information by clicking [here](#). You will need their user id and password to access this site.

Click [here](#) to learn more about the program and view a sample four-year plan.