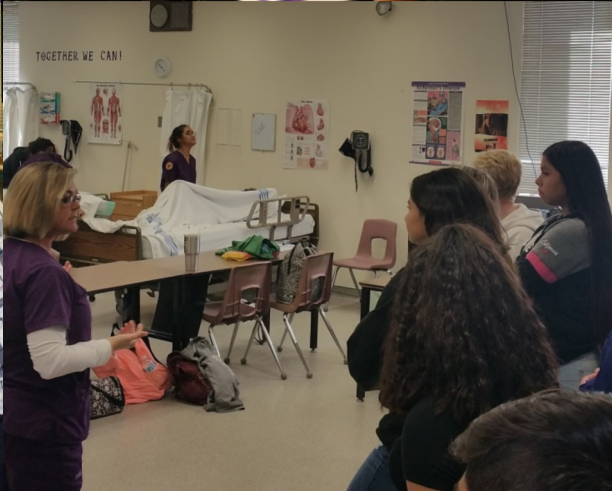




# *Okeechobee County School District*

## Career & Technical Education



# BENEFITS OF CAREER & TECHNICAL EDUCATION

## GET CERTIFIED!

Want to become more marketable and start out in a particular industry at a higher rate of pay? Be sure to take advantage of the many industry certifications offered. Most programs have a certification that puts you in the driver's seat when it comes to applying for a job. Many of those certifications are articulated statewide. You can also earn college credit while passing certifications. Great for resumes!

## EARN FREE COLLEGE CREDIT WHILE IN HIGH SCHOOL

Indian River State College, Keiser University, University of Northwestern Ohio and Universal Technical Institute offer FREE college credits to students in career and tech programs. Check with your counselor to see which programs meet institutional requirements. What a great way to save time and money toward a certificate or degree!

## QUALIFY FOR BRIGHT FUTURES GOLD SEAL SCHOLARSHIP

The Florida Gold Seal Vocational Scholars Award will be awarded to any student completing a job-prep program with a 3.5 GPA, who maintains a 3.0 GPA in all their other classes, has completed 30 community service hours, and scores at an acceptable level on the ACT, SAT or PERT. If you qualify, you can receive 75% of your college tuition for up to two years.

## QUALIFY FOR CAPE SCHOLARS AWARD

Florida Gold Seal CAPE Scholars award is awarded to any student who earns a minimum of 5 postsecondary credit hours through CAPE industry certifications that articulate for college credit and complete 30 volunteer service hours. A recipient of a GSC award who completes a technical degree program may also receive additional funding to cover up to 60 credit hours toward an eligible bachelor of science degree or a bachelor of applied science degree program.

## GET AN INTERNSHIP AS A SENIOR

Career & Technical Education students may take advantage of internships and on the job training. This opportunity is only available to seniors who have completed a career and technology program. This option allows students to have a 5 or 6 hour day as a Senior and earn valuable work experience. You must apply with your counselor.

## EARN A CORD TO WEAR AT GRADUATION

Graduate with PRIDE! Students who have earned any industry certification offered at Okeechobee High are rewarded with a cord to wear at graduation.

# LEARN MORE AT THE OHS CAREER CENTER



**The Articulation Agreement between Indian River State College and Okeechobee County School District gives students the opportunity to receive “Career Pathways” credits upon completion of any Career Pathways Academy within the Okeechobee School District:**

<b>GEB1011</b>	Introduction to Business	<b>3 credits</b>
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<b>SLS1261</b>	Essential of Contemporary Leadership	<b>3 credits</b>
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<b>SLS1421</b>	Personal and Career Development	<b>3 credits</b>
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<b>CGS1060</b>	College Computing	<b>3 credits</b>
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**OR**

<b>CGS1100</b>	Intro to Computer Application for Business	<b>3 credits</b>
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# Digital Design Academy

## What is Digital Design?

This course continues the development of the basic entry-level skills required for careers in the digital publishing industry. The content includes:

- Computer Skills
- Layout
- Design
- Measurement Activities
- Decision-Making Activities
- Digital Publishing Operations
- Digital Imaging
- Photography
- Animation
- Web Development
- Video Creation

## Free College Credits

### Indian River State College:

For completion of Instruction to Information Technology, Digital Design I, II & III (See Articulation Agreement):

- OST 2821 Desktop Publishing  
**3 credits**
- DIG 1115 Digital Imaging Fundamentals  
**3 credits**
- GRA 1151 Illustrator Fundamentals  
**3 credits**

\*many certifications are statewide articulated

## Industry Certification

### Adobe Certified Associate

- \* Dreamweaver
- \* Photoshop
- \* Flash
- \* Illustrator
- \* InDesign
- \* Premiere



### Microsoft Office Specialist (MOS) Bundle

- \* Excel 2016
- \* PowerPoint 2016
- \* Word 2016



## Future Business Leaders of America

- \* Local, State, National Competitions
- \* Develop leadership skills
- \* Meet peers with common interests
- \* Social activities
- \* Community service
- \* Fund-raisers



Grade	Suggested Courses	Credit
9	Digital Information Technology	1
10-12	Digital Design I	1
11-12	Digital Design II	1
12	Digital Design III Business Coop—OJT	1 1

Degree Required	Career/Position	Estimated Salary
Program Completer	Freelance Web Designer	Commission pay scale
Associate's Degree	Webmaster	\$37,000 - \$55,000
	Interface Designer	\$45,000 - \$55,000
Bachelor's Degree	2D/3D Animator	\$55,000
	Advertising Specialist	Salary plus Commission



## Classroom Experiences

- \* Digital Portfolio
- \* Career Exploration
- \* Photo Manipulation
- \* Illustrations
- \* Print Publications
- \* Commercials
- \* Movie Trailers
- \* Game Creation
- \* App Creation
- \* Site Design
- \* Heat Transfer

## Software

### Microsoft Office:

- \* Word
- \* Excel
- \* PowerPoint

### Adobe Creative Cloud:

- \* Photoshop
- \* Illustrator
- \* InDesign
- \* Animate
- \* Premiere Pro
- \* Dreamweaver

**ONLINE GRADUATION  
REQUIREMENT is MET when you  
pass THREE MOS  
CERTIFICATIONS usually at  
Okeechobee Freshman Campus.**

# Agriculture Technology Academy

Grade	Recommended Courses	Credit
9	Agriculture Foundations I	1
10	Technical Agriculture Operations II Technical Agriculture Operations III	1 1
11/12	Technical Agriculture Operations IV Technical Agriculture Operations V	1 1

## Topics Covered

Topics in this Course include:

- \* Welding – Arc, TIG, and MIG
- \* Plasma Cutting
- \* Acetylene Welding and Cutting
- \* Small Engine Troubleshooting & Repair
- \* Safe Tractor Operation
- \* Tool Identification and Use
- \* Servicing Hydraulic, Cooling, and Brake Systems
- \* Repair and Servicing Transmissions
- \* Diesel Engine Service and Repair
- \* Use of Technical Reading using Service Manuals

## Industry Certification

- \* Agriculture Mechanics
- \* A20-Diesel Engines

Degree Required	Career/Position	Estimated Salary
Program Completer	Ag Equipment Operator	\$21,000
	Small Engine Mechanic	\$29,000
Associate's Degree	Certified Welder	\$39,000
	Diesel Mechanic	\$25,000
Bachelor's Degree	Agricultural/Mechanical Engineer	\$62,000

## What is Ag Mechanics?

An agricultural mechanic maintains, repairs, and overhauls farm machinery and vehicles, such as tractors, harvesters, and small engines. They utilize hand tools, milling machines, lathes, welding equipment, grinders, and saws to build, repair, and correct problems to minimize time loss and increase production.

## Articulation Agreements

### Indian River State College:

For completion of Agriculture Foundation I, Technical Agriculture Operations 2 and 3 (**See Articulation Agreement**):

- AER 1020C Orientation to Vehicle Maintenance  
**3 credits**
  - AER 1081C Introduction to Automotive Technology  
**3 credits**
  - DIM 1001 Introduction to Diesel Engines  
**4 credits**
- \* Although in Ag field, credits are issued in Automotive Service Technology



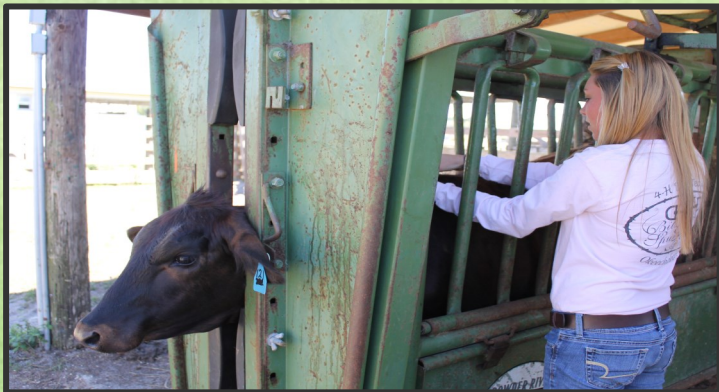
## The National FFA Organization - [www.ffa.org](http://www.ffa.org)

FFA strives through agriculture education to make a positive difference in the lives of students by developing their potential for:

- \* Premier leadership
- \* Personal growth
- \* Career success



# Animal Science Academy



## What is Animal Science?

American farmers, ranchers, and agricultural managers direct the activities of one of the world's largest and most productive job sectors. They produce enough food and fiber to meet the needs of the United States and produce a surplus for export. Animal science is a broad field. Careers within this field may lead you to veterinary assisting, agricultural sales, management and finance, education, communications, and even law.

## Grassy Island Partnership

The OHS animal science program has partnered with the South Florida Water Management District to lease a 206 acre ranch just north of the high school. On this active cow/calf pasture operation, students may find themselves mixing feed for calves and horses, administering medication, artificially inseminating a heifer, building fence, controlling noxious weeds, and halter breaking livestock.

## Industry Certification

Earn your Animal Science certification. Holding certifications looks great on college and job resumes. Certifications can also help you to earn more in entry-level positions.

## Classroom Experiences

- \* Manage a herd of 80+ brood cows
- \* Develop marketing plans for livestock sales
- \* Operate tractors and equipment
- \* Record financial, environmental, and production data
- \* Train livestock for exhibition and work
- \* Learn to use horses to work livestock
- \* Animal handling techniques and proper safety procedures.
- \* Branding
- \* Reproductive lessons, including AI and pregnancy-checking

## The National FFA Organization - [www.ffa.org](http://www.ffa.org)

FFA strives through agriculture education to make a positive difference in the lives of students by developing their potential for:

- \* Premier leadership
- \* Personal growth
- \* Career success



Degree Required	Career/Position	Hourly Rate
Program Completer	Livestock / Animal Caretaker	\$10.61
	Agricultural Inspector	\$20.36
Associate's Degree	Veterinary Assistant	\$11.38
Bachelor's Degree	Farm Manager	\$25.45
	Agricultural Engineer	\$35.96
Doctoral Degree	Animal Scientist	\$32.77
	Veterinarian	\$44.51

# Aquaculture Academy



## What is Aquaculture?

Aquaculture is the cultivation of aquatic animals and plants, especially fish, shellfish, and seaweed, in natural or controlled marine or freshwater environments; underwater agriculture. Aquaculture is a division of agriculture and offers many diverse careers. If you enjoy being on the water or studying aquatic life, aquaculture could be a great career path to explore.

## Articulation Agreements

### Indian River State College:

For completion of Agriculture Foundation I, Aquaculture 2 and 3  
(See Articulation Agreement):

-FAS 1010      Introduction to Aquaculture      3 credits

## Industry Certification

Earn your Aquaculture Technician certification. Holding certifications looks great on college and job resumes . Certifications can also help you to earn more in entry-level positions.

Grade	Recommended Courses	Credit
9	Agriculture Foundations I	1
10	Aquaculture II	1
11	Aquaculture III	1
12	Aquaculture IV	1

## Classroom Experiences

- \* Study exotic and domestic aquatic life
- \* Create and sustain small-scale fisheries
- \* Test water quality
- \* Learn about aquatic vegetation

## The National FFA Organization - [www.ffa.org](http://www.ffa.org)

FFA strives through agriculture education to make a positive difference in the lives of students by developing their potential for:

- \* Premier leadership
- \* Personal growth
- \* Career success



Degree Required	Career Position	Annual Salary
Program Completer	Fish/Turtle/Shellfish Farmer	\$22,650
Associate's Degree	Hatchery Technician	\$29,000
	Fish Research Assistant	\$35,000
Bachelor's Degree	Aquaculture Coordinator	\$47,840
	Aquatic Animal Health Coordinator	\$82,950



# Automotive Maintenance & Light Repair Academy

## What is Automotive Maintenance & Light Repair

Anyone whose car or truck has broken down knows the importance of the jobs of automotive service technicians and mechanics. The ability to diagnose the source of a problem quickly and accurately requires good reasoning ability and a thorough knowledge of automobiles. Many technicians consider diagnosing hard-to-find troubles one of their most challenging and satisfying duties.

The Automotive Service Technology Program prepares the student to become employed as an automotive technician. The program includes instruction in the application of electronic manipulative skills in such areas as steering, wheel, brake, electrical, and air conditioning systems.



Grade	Recommended Courses	Credit
10	Automotive Maintenance & Light Repair 1	1 1
11	Automotive Maintenance & Light Repair 2 Automotive Maintenance & Light Repair 3	1 1
12	Automotive Maintenance & Light Repair 4 Automotive Maintenance & Light Repair 5 * Possible Dual Enrollment through IRCC	1 1

## Free College Credits

### **Indian River State College:**

For completion of Automotive Maintenance and Light Repair 1, 2, and 3 (**See Articulation Agreement**):

-AER 1081C Intro to Automotive Technology  
**3 credits**

**Or**

-AER V006 Auto Service Technology I  
**150 hours**

- \* Additional credits may be issued for NATEF Certifications.
- \* Completing this course may count as one year of experience necessary for ASE certification.

**Universal Technical Institute also accepts OHS courses for college credit.**

## Industry Certification

### **NATEF/ASE Certification**

All automotive programs at the secondary level are certified by the National Automotive Technicians Education Foundation. This extensive certification process will gauge the quality of instruction and lab facilities to insure students who complete the program have credentials in the areas of:

- \* Steering and Suspension
- \* Electrical/Electronic Systems
- \* Brakes
- \* Heating & Air Conditioning
- \* Maintenance & Light Repair
- \* Engine Performance
- \* Engine Repair



## Classroom Experiences

- \* Become proficient in routine maintenance
- \* Troubleshoot engine problems
- \* Service transmissions
- \* Diagnose electronic, mechanical, and hydraulic control systems
- \* Disassemble, service, and reassemble engines

Degree Required	Career/Position	Pay Rate
Program Completer	Automotive Glass Installer	\$24,4000
	Parts Salesperson	\$29,900
	Lube Technician	\$37,960
Associate's Degree	Automotive Technician	commission pay scale
	Service Manager	\$60,000-\$75,000 annually
Bachelor's Degree	Dealership General Opts. Manager	\$75,000-up according to dealer and location

# Construction Technology Academy



## What is Building Construction Technologies?

If you would like to build residential homes, commercial structures or other dwellings or products, you may want to consider enrolling in the Building and Construction Technology Program.

A building contractor designs and constructs all types of structures. These structures are made from a variety of materials. Contractors may decide to work commercially or on residential projects. They may also choose to do rough or finish work depending on their skills.

With a shortage of qualified skilled labor and management, this field could add hundreds of new positions annually on the Treasure Coast, including Okeechobee.

Grade	Recommended Courses	Credit
9	Building Construction Technologies 1	1
10	Building Construction Technologies 2 Building Construction Technologies 3	1 1
11	Building Construction Technologies 4 Building Construction Technologies 5	1 1
12	Building Construction Technologies 6 Building Construction Technologies 7	1 1

## Industry Certification - NCCER Certification

NCCER is a not-for-profit education foundation created in 1996 as The National Center for Construction Education and Research. NCCER develops standardized construction and maintenance curricula and assessments with portable credentials. These credentials are tracked through NCCER's registry that allows organizations and companies to track the qualifications of their craft professionals and/or check the qualifications of possible new hires.

### Certifications Include:

- \* Level 1 Carpentry
- \* Construction Technology



## Free College Credits

### **Indian River State College:**

For completion of Building Construction Technologies 1, 2 and 3 (**See Articulation Agreement**):

-EGS 1110	Engineering Graphics	3 credits
-BCN 1250	Architectural Drafting Principles	3 credits
-ETD 1320	Introduction to Auto CAD	3 credits

## Classroom Experiences

- \* Build projects designed to teach use of equipment
- \* Use blueprints to specification
- \* Demonstrate the safe use of power tools and equipment
- \* Measure and cut raw materials accurately

Degree Required	Career/Position	Estimated Salary
Program Completer	Construction Worker	\$35,000
Associate's Degree	Building Inspector	\$42,000
Bachelor's Degree	Construction Manager	\$66,000
Professional Degree	Architect	\$106,000

# Nursing Assistant Academy



## What is a Nursing Assistant

This career cluster holds the title for the fastest growing jobs in the U.S. Careers in this field require a range of educational and licensure requirements. You are sure to find one suiting your interest! Graduates of this program intend to care for injured or ill patients. They may also practice preventative health measures to avoid long and short -term medical conditions.

Grade	Recommended Courses	Credit
9/10/11	Health Science Anatomy & Physiology	1
11/12	Health Science Foundations Nursing Assistant 3	1 1

## **Free College Credits**

### Indian River State College:

For completion of Health Science Anatomy & Physiology, Health Science Foundation and Nursing Assistant 3 (**See Articulation Agreement**):

- HSC V540 Body Structure and Function  
**60 hours**
- HCP V122 Nursing Assistant—Classroom & Lab  
**120 hours**
- HSC V003 Introduction to Health  
**82 hours**

## **Classroom Experiences**

### **First Year:**

- \* Medical terminology
- \* Anatomy & Physiology
- \* Genetics & Disease
- \* Pathophysiology



### **Second Year (Semester 1):**

- \* Apply basic math and science skills
- \* Legal and ethical responsibility
- \* Safety and security procedures
- \* Critical Thinking & Problem Solving
- \* Knowledge of Health Care Delivery System & Health Occupations
- \* Recognize & Respond to Emergency Situations
- \* Recognize & Practice Infection Control Procedures

### **Second Year (Semester 2):**

- \* Nursing assistant skills
- \* Providing patient care
- \* Assist with restorative activities
- \* Perform skills related to the hospital setting

## **Club Opportunity**

HOSA members have the opportunity to share experiences with other people involved in health occupations. They build confidence in their own ability to develop skills that will lead to successful employment in the field of health.

## **Industry Certification - Certified Nursing Assistant**

After successful completion of the program, students may take the state exam to become a Certified Nursing Assistant. By passing both the written and clinical test students may:

- \* Earn above minimum wage
- \* Improve his/her employability status
- \* Take their first step to becoming an LPN/RN

Degree Required	Career/Position	Estimated Salary
Program Completer	Certified Nursing Assistant	\$23,000
	Dental Assistant	\$31,000
Associate's Degree	Cardiovascular Technician	\$38,000
	Licensed Practical Nurse	\$37,000
Bachelor's Degree	Registered Nurse	\$62,000

# Electrocardiograph Technician Academy

Grade	Recommended Courses	Credit
9/10/11	Health Science Anatomy & Physiology	1
10/11	Health Science Foundations Nursing Assistant 3	1 1
11/12	Electrocardiograph Aide 3 Nursing Assistant 3	1 1

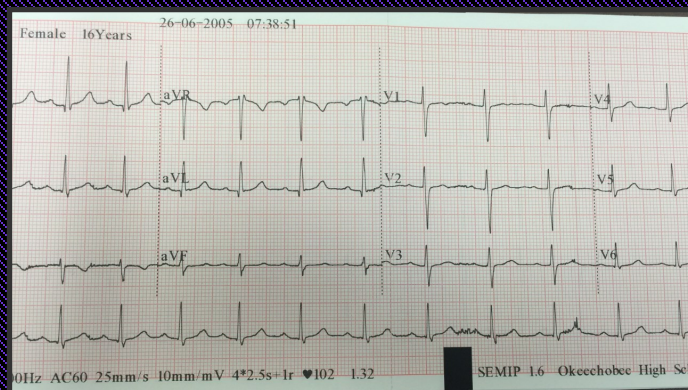
## Industry Certification

Certified EKG Technician (CET)



## What is Electrocardiography?

Electrocardiography is the recording of the electrical activity of the heart. This course offers students the hands-on training needed to earn the Certified EKG Technician certification. Students will work with EKG machines and learn to read recordings of heartbeats.



## Classroom Experiences

This course prepares students to be employed as Electrocardiograph Technicians. Content includes, but is not limited to, a foundation in the cardiovascular system, safety measures for the individual, co workers and patients as well as training in the appropriate theories and instruments used by an Electrocardiograph Technician.

## Club Opportunity

HOSA members have the opportunity to share experiences with other people involved in health occupations. They build confidence in their own ability to develop skills that will lead to successful employment in the field of health.



Degree Required	Career/Position	Estimated Salary
Program Completer	EKG Technician	\$29,000
Associate's Degree	Cardiovascular Technician	\$38,000
	Medical Assistant	\$26,000
Bachelor's Degree	Registered Nurse	\$62,000
Doctor of Medicine	Cardiologist	\$155,000
Doctor of Medicine	Interventional Cardiologist	\$229,000

# NON-DISCRIMINATION NOTICE

The goal of the Career and Technical Educational Programs in the Okeechobee County School District is to provide opportunities for all students to learn by helping them discover their own unique strengths and interests. By integrating academic content and career and technical skills, students become life-long learners, and productive citizens who are employable and adapt to a rapidly changing and highly technological global community.

The District's career and technical programs are open to all eligible high school students in the district and are committed to a policy of nondiscrimination in employment and educational opportunity. The Okeechobee County School District offers programs in the following areas of study: *Agriculture, Food & Natural Resources, Architecture & Construction, Arts, A/V Technology & Communication, Health Science, and Transportation, Distribution & Logistics*. Many of the programs offered articulate to the state colleges in Florida, we partner with Indian River State College, where students may be able to earn college credits while in high school.

The School District of Okeechobee County has adopted Board Policy 6.43, Unlawful Discrimination Prohibited. No person shall, on the basis of race, color, religion, gender, pregnancy, age, national or ethnic origin, genetic information, political beliefs, marital status, sexual orientation, disability, if otherwise qualified, social and family background or on the basis of the use of a language other than English by Limited English Proficiency (LEP) students, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity, or in any employment conditions or practices conducted by this School District, except as provided by law.

The School District of Okeechobee County shall comply with all federal and state laws which include the Title II of the Americans with Disabilities Act of 1990, as amended by the ADA Amendments Act of 2008 (ADAAA), Title IX, Section 504, Florida Education Equity Act, Age Discrimination in Employment Act (ADEA), Genetic Information Non-Discrimination Act of 2008 (GINA), and the Boy Scouts of America Equal Access Act.

Any employee, student, applicant for admissions, or applicant for employment who believes he/she has been discriminated against or has been harassed by another employee, student, or third party is encouraged to use the Equity Plan Grievance Procedure for filing complaints. Complaints are directed to Sherry Wise, the District Equity Coordinator/ Director of Human Resources or the Superintendent.

**Director of Human Resources**

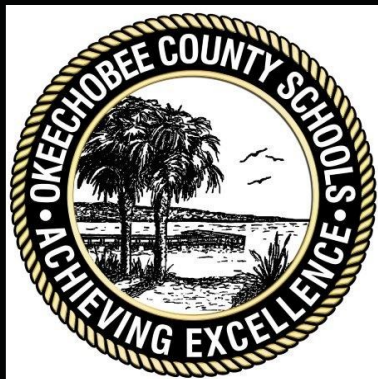
**Title II, Title IX and the Florida Education Equity Act Complaints and  
ADA/Section 504 Complaints**

**700 SW 2nd Avenue, Okeechobee, FL 34974  
(863) 462-5000 Ext. 267**





**CTE**  
*Okeechobee*  
**CAREER & TECH EDUCATION**



**Okeechobee County Schools**  
**700 SW 2nd Avenue**  
**Okeechobee, FL 34972**  
**(863) 462-5000**  
**Ken Kenworthy, Superintendent**