

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. 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!*

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.

*GET AN INTERNSHIP AS A
SENIOR, AND YOU COULD
HAVE A 5 OR 6 HOUR DAY!*

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 tech program. This option allows students to have a 5-hour 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 complete the maximum number of courses offered at Okeechobee High School in a career/tech program with a 3.5 vocational GPA and a 3.0 GPA overall while maintaining a good attendance record are rewarded with a cord to wear at graduation.

Learn More at the OHS Career Center



Located in the Guidance Office

or Visit Online at
www.ohscareercenter.com



Accounting Operations



Grade	Recommended Courses	Credit
9	Intro to Information Technology	1
10	Accounting Applications I	1
11/12	Accounting Applications II	1

Topics Covered

Accounting Classroom Activities

- SPILL– Online Accounting Simulator
- Analyze real-world source documents
- Read real-world financial statements
- Interact with multimedia
- Accounting Simulations
- Payroll Preparation
- QuickBooks Training
- Tax preparation software

Club Opportunity

Future Business Leaders of America

www.fbld-pbl.org

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

What is Accounting?

A graduate of this program is able to analyze financial information, prepare reports of assets and liabilities, and determine the profit or loss of a project or to an organization. They may learn the double- entry system of accounting for sole proprietorship, corporate, and partnership forms of business enterprises by using real-world applications and connections. Important objectives of this program include the following:

- Developing personal and professional skills for school and work.
- Understanding the relationship between the manual system of accounting and a computerized system.

Free College Credits

Articulation with IRSC:

For Accounting Technology:

OST 1764 Introduction to Business	3 credits
Combination of Tech Prep Courses	6 credits

For Office Systems:

OST 1100 Elementary Keyboarding	3 credits
OST 1764 Introduction to Microsoft Word	3 credits

For Office Supervision:

OST V100 Data Entry I	75 hours
OST V425 Data Entry II	75 hours

Degree	Career	Estimated
Program Completer	Bank Teller	\$21,000
Associate's Degree	Financial Clerk	\$31,000
	Brokerage Clerk	\$52,000
Bachelor's Degree	Loan Officer	\$95,000
	Auditor	\$61,000
	Accountant	\$57,000
Professional Degree	Financial Manager	\$107,000

Agricultural Machinery & Mechanics



Grade	Recommended Courses	Credit
9	Agri-Science Foundations I	1
10	Ag Mechanics II Ag Mechanics III	1 1
11	Ag Machinery Mech IV Ag Machinery Mech V	1 1
12	Agribusiness Coop	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

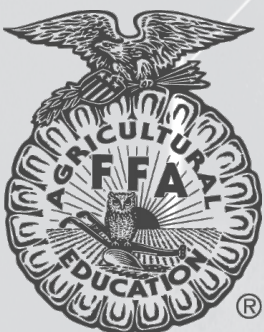
Club Opportunity

The National FFA Organization

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



What is Ag Mechanic?

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.

Free College Credits

Indian River State College

- AER 1020 Orientation to Vehicle Maintenance
3 credits
- DIM 1001 Introduction to Diesel Engines
4 credits

Although in Ag field, credits are issued in Automotive Service Technology

Industry Certification

Earn your NCCER Welder Level 1 certification, and start off higher on the pay scale when you graduate high school.

NCCER is a nationally recognized certification, so your certification will transfer to any state you choose to work in.

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

Animal Science and Services



Grade	Recommended Courses	Credit
9	Agri-Science Foundations I	1
10	Animal Science II Animal Science III	1 1
11	Animal Science IV Animal Science V	1 1
12	Agribusiness Coop	1

Activities

- 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 Artificial

Club Opportunity

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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.

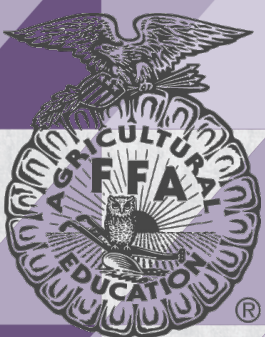
Grassy Island Partnership

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 Agritechnology Certification through Florida Farm Bureau. Holding certifications looks great on college and job resumes. Certifications can also help you to earn more in entry-level positions.

Degree Required	Career/Position	Hourly Rate
Program Completer	Livestock / Animal Care-taker	\$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



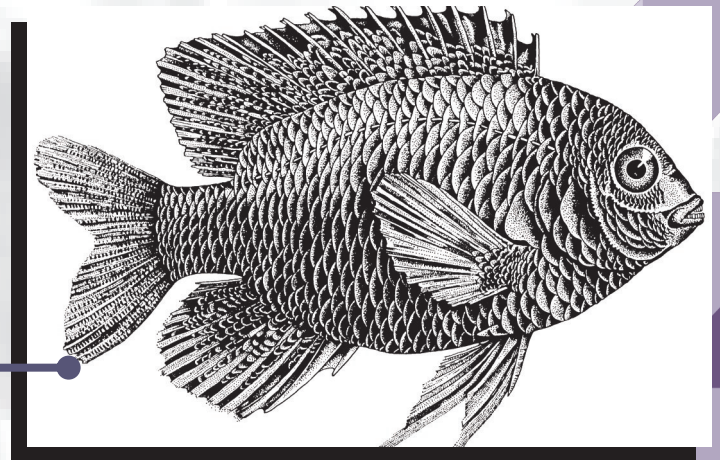
What is Aquaculture?

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.

Grade	Recommended Courses	Credit
9	Agri-Science Foundations I	1
10	Aquaculture II	1
11/12	Aquaculture III	1 1



Activities

- Study exotic and domestic aquatic life
- Create and sustain small-scale fisheries
- Test water quality
- Learn about aquatic vegetation
- Produce Fish
- Grow plants through hydroponics and aeroponics

Club Opportunity

The National FFA Organization

www.ffa.org

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- Premier leadership
- Personal growth
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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 Service Technology



Grade	Recommended Courses	Credit
10	Auto Service Tech 1	1
11	Auto Service Tech 2 Auto Service Tech 3	1 1
12	Auto Service Tech 4 Auto Service Tech 5 * Possible Dual Enrollment through IRCC	1 1

Activities

- Become proficient in routine maintenance
- Troubleshoot engine problems
- Diagnose and repair brakes
- Diagnose electronic, mechanical, and hydraulic control systems
- Diagnose and repair A/C, electrical and steering and suspension components.

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:

- Suspension and Steering
- Electronics
- Engine Performance
- Brakes
- Heating & Air Conditioning



What is Automotive Service Technology?

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, and air conditioning, and suspension systems.

Free College Credits

Indian River State College

AER 1010 Intro to Automotive Technology 3 credits

AER 1020 Orientation to Vehicle Maintenance 3 credits

Or

AER V006 Auto Service Technology 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.**

Degree	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

Building & Construction



Grade	Recommended Courses	Credit
9/10	Building & Construction Technology I	1
11	Building & Construction Technology II	1
	Building & Construction Technology III	1
12	Building & Construction Technology IV	1
	Building & Construction Technology V	1

Activities

- 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

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.



What is Building & Construction?

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.

Free College Credits

Indian River State College

BCN 1210	Materials of Construction	3 credits
BCN 1272	Plans Interpretation I	3 credits

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

Digital Design



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

Activities

Newspaper
 · Magazine Cover
 · Commercials
 · Portfolio
 · Resumes
 · Calendar
 · Movie Trailers
 · Banners
 · Heat Transfer

Club

Opportunity

Future Business Leaders of America

- Local, State, National Competitions
- Develop leadership skills



Industry Certification

Adobe Certified Associate (ACA) Visual Communication with Adobe— Premier Pro Adobe Systems Arts, A/V Technology and Communication

Adobe Certified Associate (ACA) Illustrator Adobe Systems New Arts, A/V Technology and Communication

Adobe Certified Associate (ACA) InDesign Adobe Systems New Arts, A/V Technology and Communication

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
- Digital Publishing Operations
- Layout
- Design
- Measurement Activities
- Decision-Making Activities
- Digital Imaging

Free College Credits

Indian River State College

For completion of IIT, Digital Design I and II:

- OST 1100 Elementary Keyboarding 3 credits
- OST 1764 Introduction to Microsoft Word 3 credits
- OFT V010 Office Skills Training I 75 hours
- OFT V011 Office Skills Training II 75 hours

For completion of Digital Design III:

- OST Desktop Publishing 3 credits

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

Electrocardiography (EKG)



Grade	Recommended Courses	Credit
9/10	Health Science I	1
11	Health Science II/ Nursing Assistant III	1 1
12	Electrocardiograph Aide 3/ Nursing Assistant III	.5 1

Activities

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

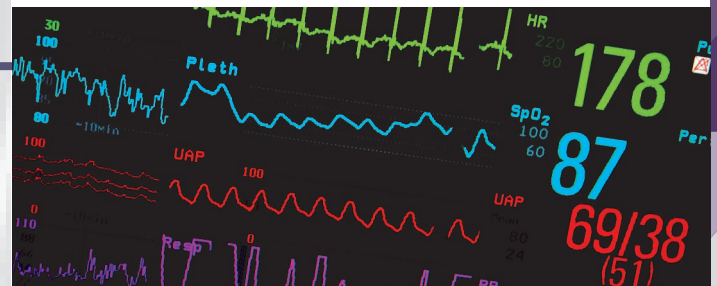
Industry Certification

Certified EKG Technician (CET)
National Healthcare Association



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 rhythm strips.



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	\$25,000
Associate's Degree	Cardiovascular Technician	\$37,000
	Medical Assistant	\$27,100
Bachelor's Degree	Registered Nurse	\$54,000
	Cardiologist	\$203,500
	Radiologist	\$273,900

Nursing Assistant



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 I	1
11/12	Health Science II Nursing Assistant III	1 1

Free College Credits

Indian River State College

HSC 2531 Medical Terminology 3 credits

Or HSC V004 Introduction to Health Care 82 hours
MEA V253 Anatomy and Physiology 60 hours

Or MEA V011 Concepts in Medical Language 35 hours
HCP V410C Nursing Assistant 165 hours

Activities

First Year:

- Medical terminology
- Anatomy & Physiology
- Human Development
- Pathophysiology
- Nutrition

Second Year (Semester 1):

1. Basic math and science skills
2. Legal and ethical responsibility
3. Safety and security procedures
4. Critical Thinking & Problem Solving

Second Year (Semester 2):

1. Nursing assistant skills
2. Providing patient care
3. Assist with restorative activities
4. Perform skills related to the hospital setting

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

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	Certified Nursing Assistant	\$20,800
	Dental Assistant	\$29,100
Associate's Degree	Cardiovascular Technician	\$37,000
	Licensed Practical Nurse	\$35,500
Bachelor's Degree	Registered Nurse	\$54,000

NON-DISCRIMINATION NOTICE

The School District of Okeechobee County had adopted Board Policy 6.43, Unlawful Discrimination Prohibited. No person shall, on the basis of race, color, religion, sex, age, national or ethnic origin, political beliefs, marital status, disability, if otherwise qualified, social and family background or on the basis of the use of a language other than English by 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 is in compliance 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. You may file with: principal, or immediate supervisor, District Equity Coordinator/Director of Human Resources or the Superintendent.





Okeechobee County School District

700 Southwest 2nd Avenue, Okeechobee, FL 34974