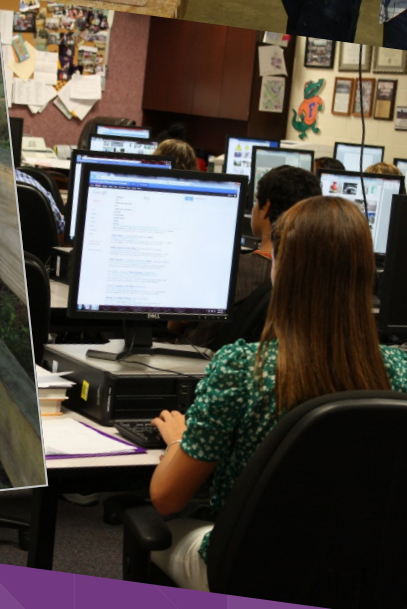


Okeechobee County School District

Career & Technical Education



Benefits of Career & Technical Education

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!

GET CERTIFIED!

**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

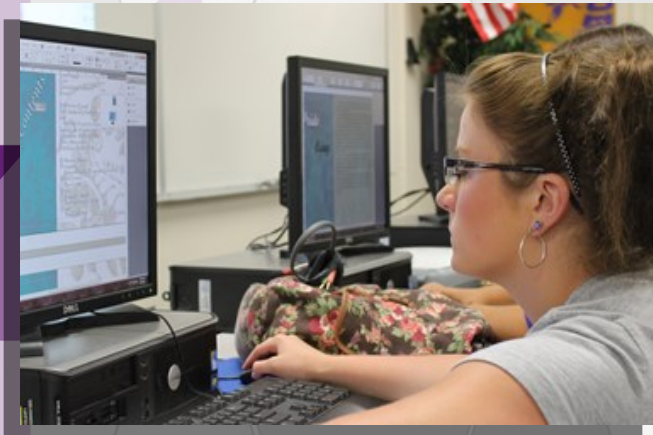


Located in the Guidance Office

or Visit Online at
www.ohscareercenter.com



Digital Design



Grade	Suggested Courses	Credit
9	Digital Information Technology	1
	Digital Design 1	1
10	Digital Design 2	1
	Digital Design 3	1
11	Digital Design 4	1
	Digital Design 5	1
12	Digital Design 6	1
	Digital Design 7	1

Activities

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

Club

Opportunity

Future Business Leaders of America

- Local, State, National Competitions
- Develop leadership skills
- Meet peers with common



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 De-	Commission
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

Technical Agriculture Operations



Grade	Recommended Courses	Credit
9	Agriscience 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:

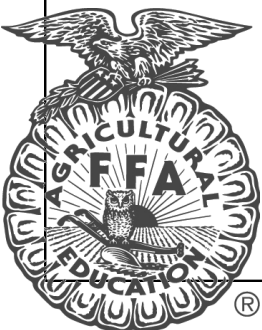
- Welding – Arc, TIG, and MIG
- Plasma Cutting
- Acetylene Welding and Cutting
- Small Engine Troubleshooting & Repair
- Safe Tractor Operation
- Tool Identification and Use
- Servicing Hydraulic, Cooling, and Brake Systems
- Repair and Servicing Transmissions
- Diesel Engine Service and Repair
- Use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

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	Agriscience Foundations I	1
10	Animal Science & Services II	1
	Animal Science & Services III	1
11	Animal Science & Services IV	1
	Animal Science & Services V	1
12	Animal Science & Services VI	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 AI and Preg-Checking

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 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	Agriscience Foundations I	1
10	Aquaculture II	1
11	Aquaculture III	1
12	Aquaculture IV	1



Activities

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

Club Opportunity

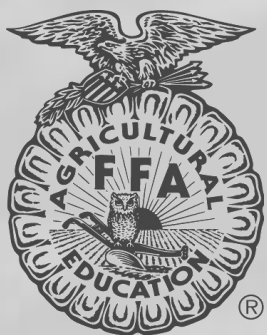
The National FFA Organization

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

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



Grade	Recommended Courses	Credit
10	Automotive Maintenance & Light Repair 1	1
	Automotive Maintenance & Light Repair 2	1
11	Automotive Maintenance & Light Repair 3	1
	Automotive Maintenance & Light Repair 4	1
12	Automotive Maintenance & Light Repair 5	1
	Automotive Maintenance & Light Repair 6 * Possible Dual Enrollment through IRCC	1

Activities

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

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



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, and air conditioning systems, and engine repair.

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 Required	Career/Position	Pay Rate
Program Completer	Automotive Glass Installer	\$24,400
	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 Technologies



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

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 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.

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

NURSING ASSISTANT



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

Activities

First Year:

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

Second Year (Semester 1):

1. Apply basic math and science skills
2. Legal and ethical responsibility
3. Safety and security procedures
4. Critical Thinking & Problem Solving
5. Knowledge of Health Care Delivery System & Health Occupations
6. Recognize & Respond to Emergency Situations
7. Recognize & Practice Infection Control Procedures

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

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.

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

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	\$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 Aide



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.

Grade	Recommended Courses	Credit
9/10	Health Science Anatomy & Physiology	1
10/11	Health Science Foundations	1
11/12	Electrocardiograph Aide 3 Nursing Assistant 3	.5 1

Activities

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.



Industry Certification

Certified EKG Technician (CET)
National Healthcare Association



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




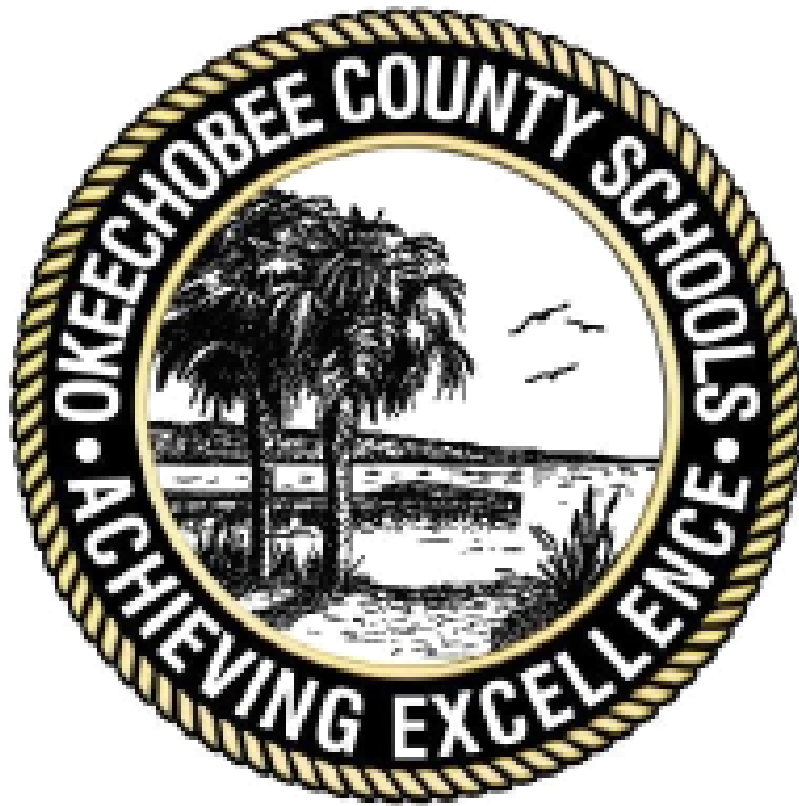
NON-DISCRIMINATION NOTICE

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.





CTE

OKEECHOBEE
Career & Tech Education





Okeechobee County School
700 SW. 2nd Ave.
Okeechobee, FL 34972
863-462-5000 Ext. 273
Ken Kenworthy, Superintendent