



*Okeechobee
County School
District*

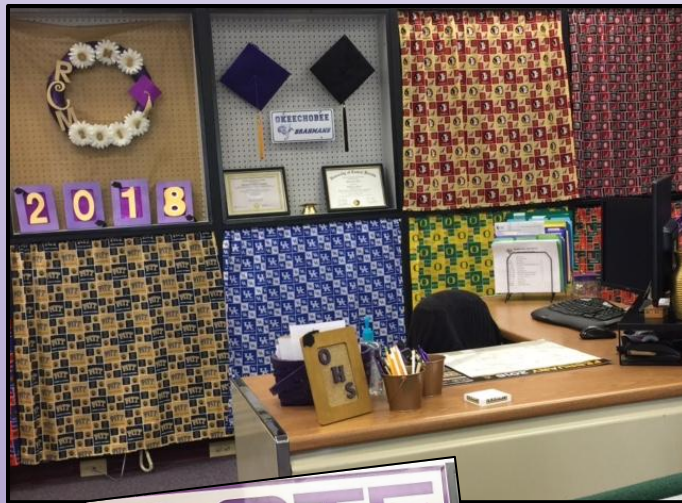
Career & Technical Education



**OKEECHOBEE
COUNTY
SCHOOL
DISTRICT**



COLLEGE & CAREER CENTER



Mrs. Tabbert, Career and Technical Education Specialist, can help with College and Career information. Scholarship and Financial Aid, College visits, Military information/ASVAB. On-the-Job training and internships



Mrs. Coleman, Graduation Coach, assists with monitoring students in preparation for Graduation, SAT/ACT waivers and registration, Rotary Student of the Month, Grad Walks, NCAA registration.



CAREER RESOURCE CENTER

Information available on:

Industry Certifications

Vocational Programs

College Visits

Scholarship Information

Financial Aid

On-the-Job Training

SAT/ACT/PERT testing sign-ups

How to write a resume

Military Information - ASVAB testing



WHAT IS CTE?

CTE stands for
Career and Technical Education



TECHNICAL AG OPERATIONS 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 Technical Agriculture Operations OJT	1 1 1

Industry Certification

- AEST Agriculture Mechanics Specialist
- ASE Medium/Heavy Truck Technician: Diesel Engines

Articulation Agreements

Indian River State College

- AER 1081C Introduction to Automotive Technology 4 credits

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



Topics in this Course include:

- Basic Shop Safety (attire, responsibilities, emergency response)
- Farm Construction (tool identification & use, basic woodwork/framing)
- Career Exploration - where will I work with these skills
- Employability skills (soft skills, building resumes, applications)
- Wiring electrical circuits (wiring household circuits (A/C) and vehicle/equipment circuits (D/C))
- Welding – SMAW (stick), MIG (wire), TIG (electric torch)
- Plumbing & Irrigation (PVC, Copper, Steel, PE/PEX)
- Plasma Cutting
- Acetylene Welding and Cutting (torch welding, cutting, brazing)
- Small Engine Troubleshooting & Repair
- Safe Tractor Operation (driving, maintenance, basic repair)
- Repair and Servicing Transmissions
- Diesel Engine (theory, operation, maintenance, repair)
- Use of Technical Reading using Service Manuals



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

ANIMAL SCIENCE ACADEMY

Grade	Recommended Courses	Credit
9	Agriculture 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 OJT	1

American farmers, ranchers, and agricultural managers direct the activities of one of the world's largest and most productive agricultural 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, communications, and even law.

Grassy Island Partnership

The FFA 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.

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
- Animal handling techniques and proper safety procedures.
- Branding
- Reproductive lessons, including AI and pregnancy-checking

Industry Certifications

- Animal Science Specialist
- Agritechnology Specialist
- Fundamentals of Animal Science



AQUACULTURE ACADEMY

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

Aquaculture is the cultivation of aquatic animals and plants, especially fish, shellfish, and seaweed, in natural or controlled marine or freshwater environments; underwater agriculture. This program 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.

Industry Certification Aquaculture Technician



Articulation Agreements

Indian River State College

- FAS 1010 Introduction to Aquaculture 3 credits

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- Personal growth
- Career success



Classroom Experiences

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



DIGITAL DESIGN ACADEMY

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

Articulation Agreements

Indian River State College

• CIS 1000	Intro to Information Tech	3 credits
• DIG 1115	Digital Imaging Fundamentals	3 credits
• GRA 1151	Illustrator Fundamentals	3 credits
• GRA 2160	Digital Animation I	3 credits

Classroom Experiences

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

Industry Certification

- Adobe Certified Associate (Dreamweaver)
- Adobe Certified Associate (Photoshop)
- Adobe Certified Associate (Flash)
- Adobe Certified Associate (Illustrator)
- Adobe Certified Associate (InDesign)
- Adobe Certified Associate (Premiere)
- Wordpress

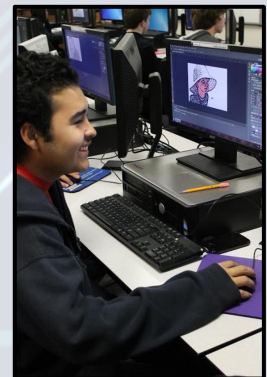


Software

- Microsoft Office
 - *Word
 - *Excel
 - *PowerPoint
- Adobe Creative Cloud
 - *Photoshop
 - *Illustrator
 - *InDesign
 - *Animate
 - *Premiere Pro
 - *Dreamweaver

Future Business Leaders of America

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



CONSTRUCTION TECHNOLOGY ACADEMY

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 Building Construction Technologies OJT	1 1 1

Classroom Experience

- 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

HBI's Certification assessments, offered through NOCTI, are based on National Skills Standards, and are recognized by 1400,000 National Association of Home Builders members.

Career Paths include but not limited to:

Brick masonry, Carpentry, Electrical wiring, heating, ventilation, and air conditioning landscaping, painting, plumbing, and solar installation.

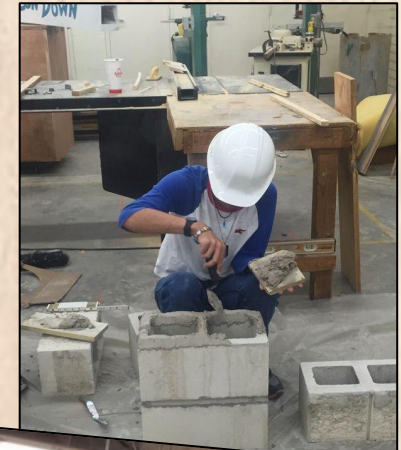
Articulation Agreements

Indian River State College

- | | | |
|------------|-----------------------------------|-----------|
| • EGN 1111 | Engineering Graphics | 3 credits |
| • BCN 1250 | Architectural Drafting Principles | 3 credits |
| • ETD 1320 | Introduction to Auto CAD | 3 credits |

Industry Certification

- PreApprenticeship Certificate Training (PACT)
 - Building Const Tech
- HBI PACT Carpentry
- HBI PACT Core
- HBI PACT Core Green
- HBI PACT Electrical



**Building Careers.
Changing Lives.**

NURSING ASSISTANT ACADEMY

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

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

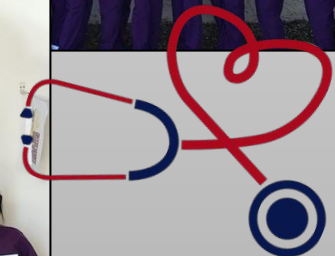
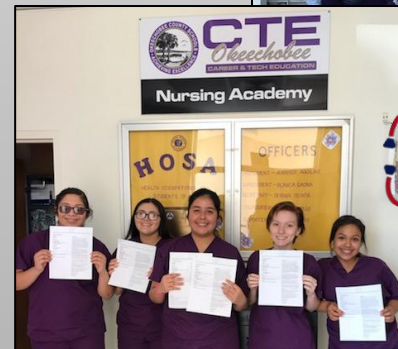
Articulation Agreements

Indian River State College

- | | | |
|------------|-------------------------------------|-----------|
| • HSC 2531 | Medical Terminology I | 3 credits |
| • HSC 0540 | Body Structure and Function | 60 hours |
| • HSC 0003 | Introduction to Health | 90 hours |
| • HCP 0122 | Nursing Assistant - Classroom & Lab | 125 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.



ELECTROCARDIOGRAPH TECHNICIAN ACADEMY

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

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.



Industry Certification

Certified EKG Technician (CET)
NATHA002

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.



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AUTOMOTIVE MAINTENANCE & LIGHT REPAIR ACADEMY

Grade	Recommended Courses	Credit
10	Automotive Maintenance & Light Repair 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

Articulation Agreements

Indian River State College

- AER 1081C Intro to Automotive Technology 4 credits
- AER 1694C Introduction to Automotive Electrical Systems 4 credits

OR

- AER 0006 Automotive Services Assistor 1 150 hours
- AER 0007 Automotive Services Assistor 2 150 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.**

Classroom Experiences

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

ASE Certification

All automotive programs at the secondary level are certified by the ASE 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



Education Foundation



Earn College Credits

Articulation Agreements are in place which allow students to automatically earn college credits by successfully completing the various programs. In addition to those articulated credits listed for each respective program, students that complete ANY program are given the opportunity to receive “Career Pathways” credits. These credits include:

GEB 1011	Introduction to Business	3 credits
SLS 1261	Essentials of Contemporary Leadership	3 credits
SLS 1421	Personal & Career Development	3 credits
CGS 1060	College Computing	3 credits
OR		
CGS 1100	Intro to Computer Application for Business	3 credits



Earn Industry Certifications

Each Career and Technical Education program offers an opportunity for students to earn **at least** one Industry Certification. These certifications are established and recognized by members of their respective industries. Earning one or more of these certifications, shows potential employers that students have acquired particular skills and/or knowledge in that field.

The Gold Standard Career Pathways Statewide Articulation Agreement links certifications with earning college credits and guarantees the awarding of 3 credit hours toward particular programs within the related field.

See individual slides for certifications those programs offer.

SPEAK to the OHS Career Specialist, the OHS Graduation Coach, OHS guidance counselors, or the instructor to learn more about each.



Earn an Honor Cord

- Students who earn an Industry Certification also earn a CTE cord to wear at graduation
- Students who complete all 3 years of their program and master all certifications and instructor designated requirements for the program earn an achievement medallion to wear at graduation.

Vocational Completers

- Students who take and pass 3 vocational education classes in the same track are considered Vocational Completers.
- Vocational Completers qualify for On-the-Job Internships their senior year and are invited to the Vocational Completers Breakfast.



EARN SCHOLARSHIP MONEY

Bright Futures has **TWO** scholarships for students in Career and Technical Education (CTE)

***CAPE** Scholarships are given to students who earn **5 credits** in Gold Seal Vocational certifications. Students must also have **30 community service hours**.

***GOLD SEAL** Scholarships are given to students who are vocational completers and earn college ready test scores. Students must also have **30 community service hours**.



OHS AWARDS NIGHT

