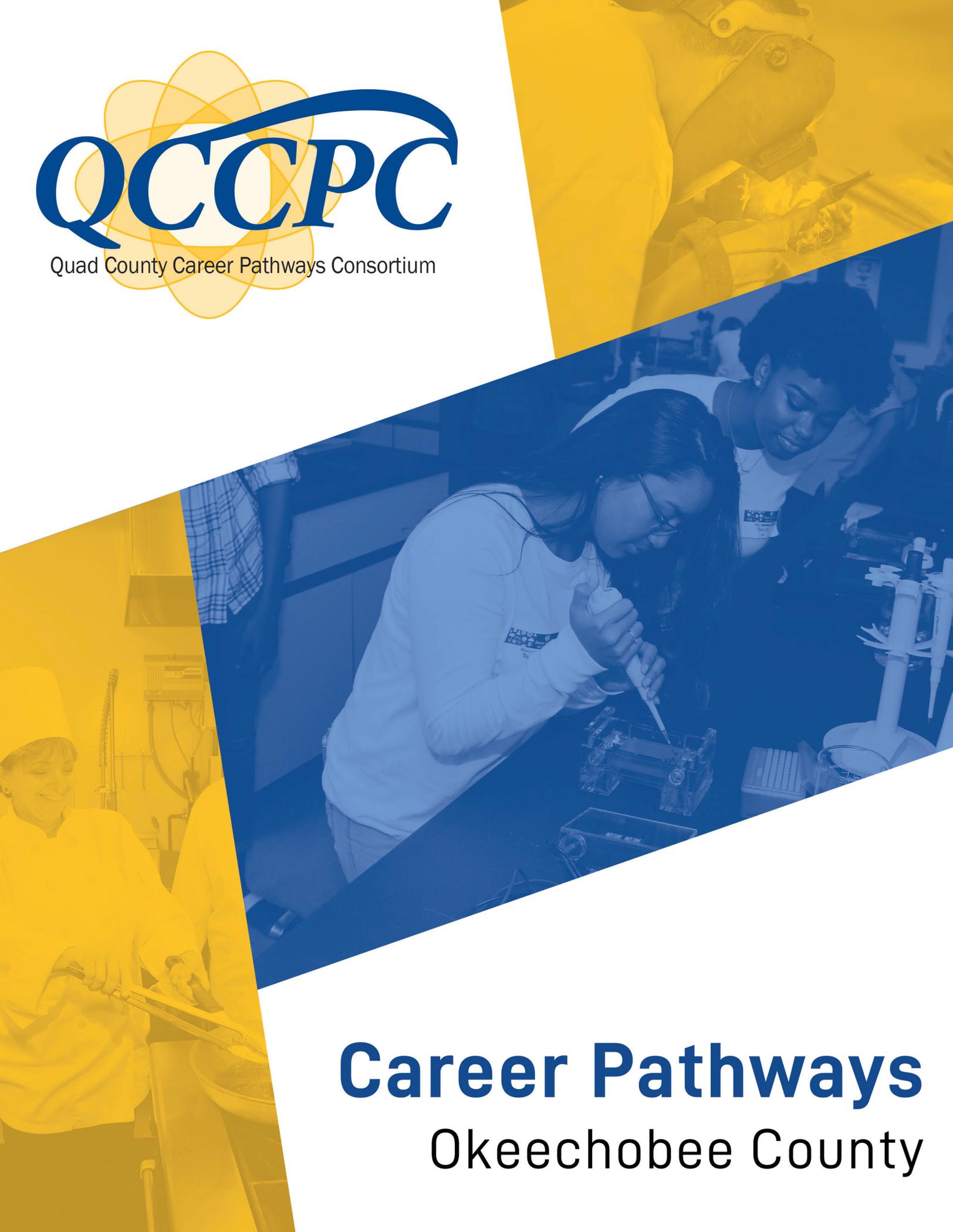


Quad County Career Pathways Consortium



Career Pathways

Okeechobee County

August 2019

Dear Students and Parents,

On behalf of the [Quad County Career Pathways Consortium \(QCCPC\)](#), I am pleased to present you with this guide to the Career Pathways Initiative. Through this program, students who successfully complete Career Pathway academies at the secondary level may be eligible for college or clock-hour credit at the post-secondary level.

On the pages that follow, you can explore career clusters, and connect the career academies offered at your high school with credit opportunities available at Indian River State College (IRSC). Academy offerings and articulation agreements with IRSC vary by school district and by high school, so please view offerings at your particular school. Academy offerings and articulation agreements with IRSC are valid as of this guide's publication date and may be subject to change.

Strong collaboration between education, industry and community partners is essential to creating high-quality Career Pathways programs of study that are well-aligned with the skills demanded by the labor market. IRSC is grateful to our education-to-workforce partners in the Indian River, Martin, St. Lucie and Okeechobee school districts that comprise the Quad County Career Pathways Consortium. These partners work to create effective sustainable systems improving students' matriculation, persistence, completion and career placement.

Thank you for your interest in Career Pathways. We look forward to your successful journey through an academy, at a school near you.

Sincerely,



Strather DuPree II

Director of Articulation and Partnerships

Indian River State College

Chair, Quad County Career Pathways Consortium

IRSC is an EA/EO educational institution.





Contents

| | |
|----------------------------------|---------------------------|
| Become a Career Pathways Student | <u>4</u> |
| Get Started on Your Pathway | <u>5</u> |
| Career Clusters | <u>7</u> |
| IRSC Meta Majors | <u>13</u> |

| | |
|--|---------------------------|
| Agriculture, Food & Natural Resources Academies | <u>18</u> |
| Architecture & Construction Academies | <u>20</u> |
| Arts, A/V Technology & Communications Academies | <u>22</u> |
| Health Science Academies | <u>24</u> |
| Transportation, Distribution & Logistics Academies | <u>26</u> |

| | |
|--|---------------------------|
| About Indian River State College | <u>28</u> |
| About Quad County Career Pathways Consortium | <u>29</u> |
| Career Pathways Worksheet | <u>31</u> |

Fast Track Your Career—Become a Career Pathways Student



Career Pathways academies, offered at most area high schools, give students the academic preparation, direction and career-related knowledge to help them plan studies that are in line with their interests, abilities and career goals.

Completers earn industry certifications to prepare them for entry-level positions in high-demand industries.

Career Pathways students perform significantly better overall than comparison groups in attendance, credits earned and average grades, and were more likely to stay in school.

Graduate from College Early, Save Money and Earn More!

Career Pathways students:

- Complete an average of at least five courses while in high school.
- Earn college or clock-hour credits for **FREE**.
- Save on tuition and receive text books for **FREE**.
- Earn a college degree in **less than 2 years**.



“Career Pathways Academy graduates who attend and complete a certificate and/or degree are **10-15% more likely** to be in the labor force and earn **8-9% more** than a student with only a high school diploma.”

—2001 Russell Sage Foundation study

Get Started on Your Pathway

1 Explore Career Clusters

Career Clusters are groups of similar occupations and industries. They were developed by the U.S. Department of Education as a way to organize career planning. The sixteen Career Clusters are explained on the pages that follow.

Once you have identified the Career Clusters that interest you, review the offerings at your high school to determine the Career Pathways Academy to pursue.

2 Enter a Career Pathways Academy

Career Pathways students benefit from a clear path to their future and are able to meet graduation requirements, earn college credits and industry certifications, and gain valuable knowledge—making them college and career ready before they leave high school.

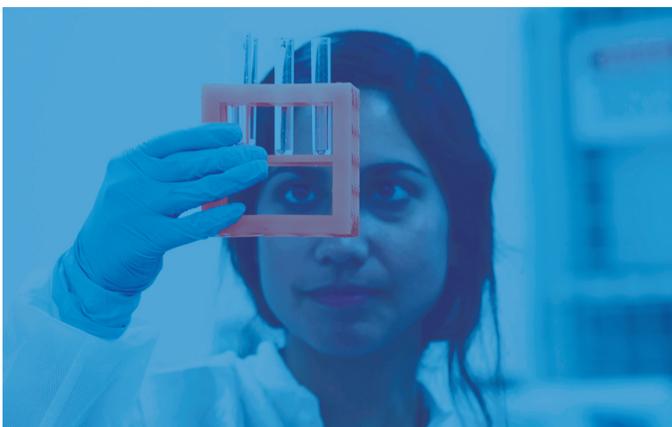
To get started in a Career Pathways Academy, high school students should contact the counselor at their school.

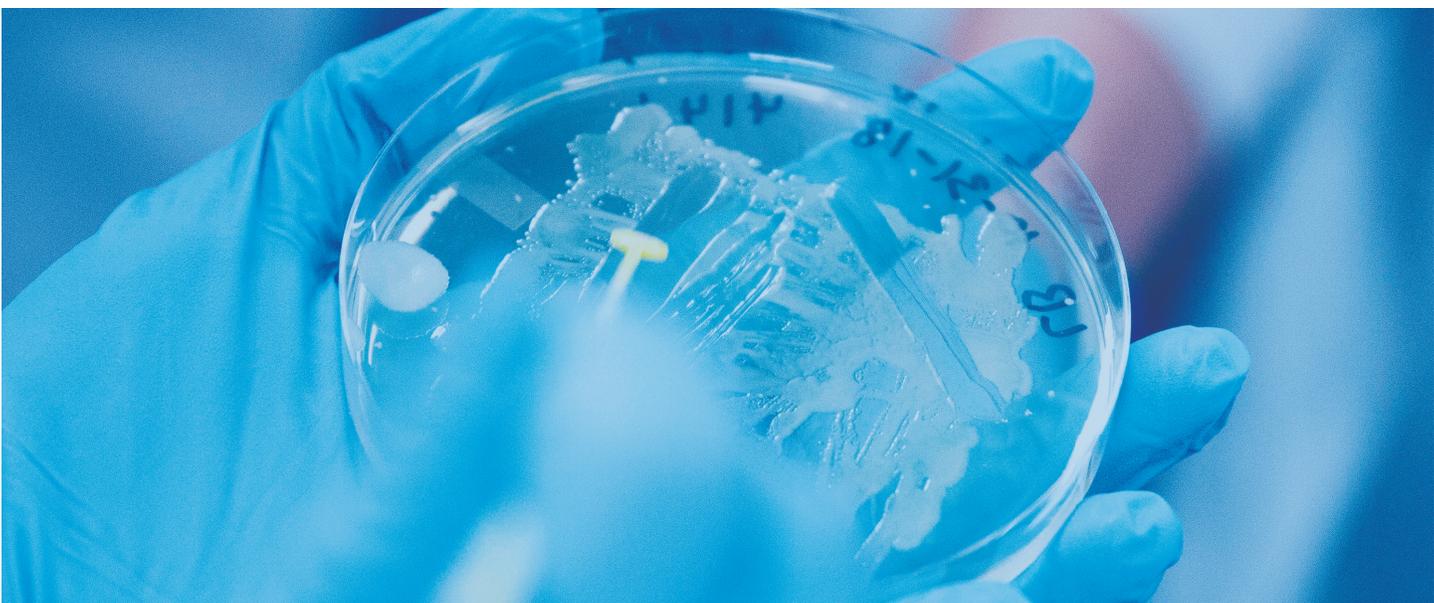
3 Advance Your Education and Earnings Potential at IRSC

Every student who successfully completes a Career Pathways Academy will earn college or clock-hour credit at Indian River State College. Follow these steps:

1. Contact your high school counselor to enroll in your Career Pathways Academy of interest.
2. Complete your high school Career Pathways Academy.
3. Complete all IRSC Admission requirements.
 - a. [Complete an Application for Admission.](#)
 - b. Request your transcripts from your high school, and have them sent to the IRSC Office of Student Records.
 - c. Apply for financial aid.
 - d. Complete New Student Orientation.
4. Meet with your IRSC advisor to indicate completion of a Career Pathways Academy.
5. If courses align with your program objective goal, credit will be verified and applied to your degree or certificate based on your IRSC Academic Plan/Guided Pathway.

Your eligibility for Career Pathways credit is valid for 36 months following your high school graduation date.





Career Clusters

It's never too early to consider your career choices. Discover possible occupations and industries through the 16 Career Clusters developed by the United States Department of Education.



Career Cluster 1

Agriculture, Food & Natural Resources

Production, processing, marketing, distribution, financing and development of agricultural commodities and resources, including food, fiber, wood products, natural resources, horticulture and other plant and animal products/resources.



Career Cluster 2

Architecture & Construction

Designing, planning, managing, building and maintaining the built environment.



Career Cluster 5

Education & Training

Planning, managing and providing education and training services and related learning support services.



Career Cluster 6

Finance

Planning and related services for financial and investment planning, banking, insurance and business financial management.



Career Cluster 3

Arts, A/V Technology & Communications

Designing, producing, exhibiting, performing, writing and publishing multimedia content, including visual and performing arts and design, journalism and entertainment services.



Career Cluster 4

Business, Management & Administration

Careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.



Career Cluster 7

Government & Public Administration

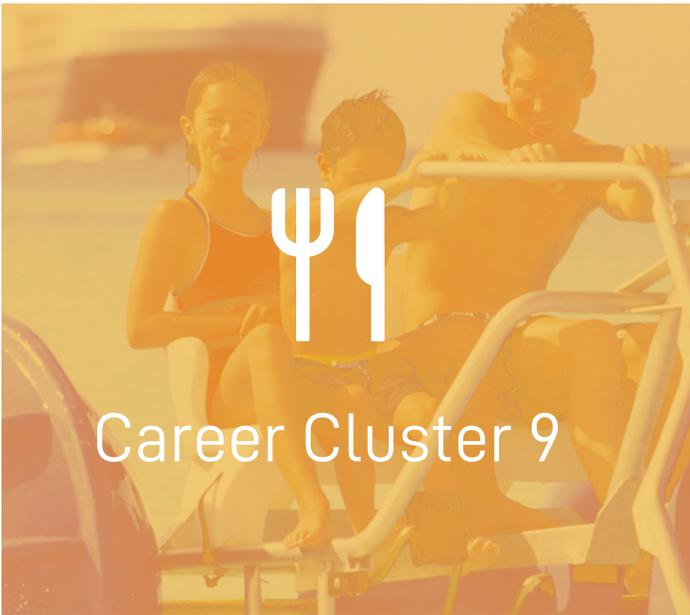
Planning and performing government functions at the local, state and federal levels, including governance, national security, foreign service, planning, revenue and taxation, and regulations.



Career Cluster 8

Health Science

Planning, managing and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.



Career Cluster 9

Hospitality & Tourism

Management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel-related services.



Career Cluster 10

Human Services

Employment that relates to families and human needs such as counseling and mental health services, family and community services, and personal care and consumer services.



Career Cluster 13

Manufacturing

Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.



Career Cluster 14

Marketing

Planning, managing and performing marketing activities to reach organizational objectives.



Career Cluster 11

Information Technology

Building linkages in IT occupations for entry-level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services.



Career Cluster 12

Law, Public Safety, Corrections & Security

Planning, managing and providing legal, public safety, protective and homeland security services, including professional and technical support services.



Career Cluster 15

Science, Technology, Engineering & Mathematics

Planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, engineering), including laboratory and testing services, and research and development services.



Career Cluster 16

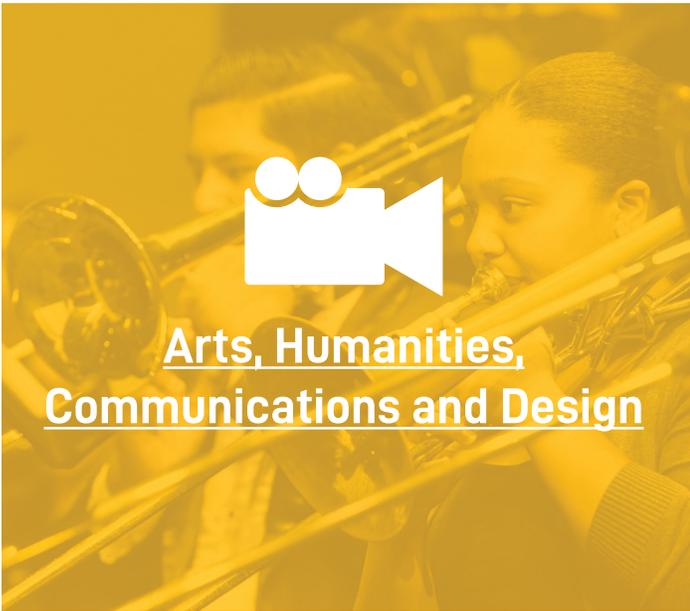
Transportation, Distribution & Logistics

Planning, management and movement of people, materials and goods by road, pipeline, air, rail and water and related services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.



IRSC META MAJORS

IRSC meta majors are collections of academic majors with related courses. Like Career Clusters, meta majors help you choose a program of study based on your interests, knowledge, skills and abilities. Academy completers have a head start in completing programs in the IRSC meta major that relate to their chosen academy.



Arts, Humanities, Communications and Design

The Arts, Humanities, Communications and Design Meta Major is designed for creative people who are interested in careers such as music, graphic arts, digital media, television and film. It also encompasses fields such as writing, history and law.



Business

The Business Meta Major encompasses majors in accounting, business administration, finance and marketing. If you see yourself as a business owner or manager, or working for a big corporation, this is the meta major for you.



Industry, Manufacturing and Construction

Do you like to build or fix things? The Industry, Manufacturing and Construction Meta Major includes fields such as architectural design, construction technology, drafting and design, and air conditioning, refrigeration and heating.



Public Safety

The Public Safety Meta Major puts you on the path to careers in criminal justice, paralegal studies and fire science technology. If you can picture yourself as a police officer or detective, or responding to an emergency, this is the meta major for you.



Education

If you want to make a difference as a teacher or principal, or in some other academic role, you will want to choose the Education Meta Major.



Health Science

Programs in the Health Science Meta Major lead to jobs in patient care, laboratory testing and healthcare management. Students can train for careers in dental assisting, medical technology, nursing, respiratory care and more.



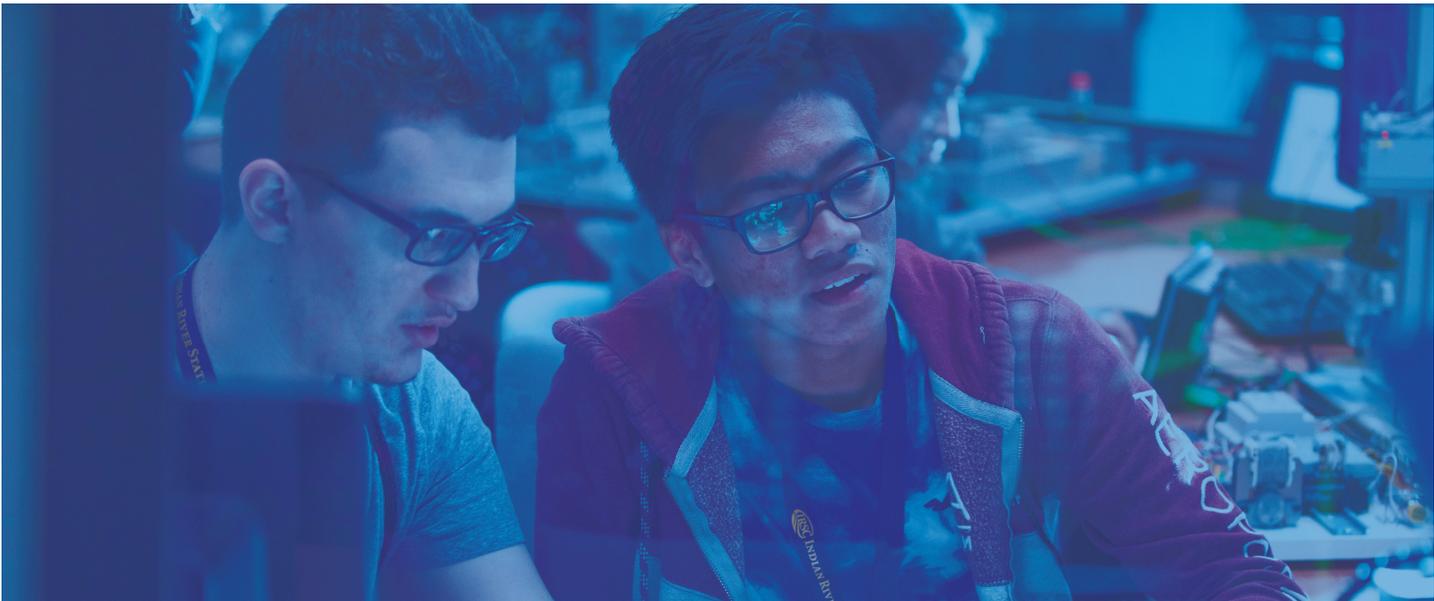
Science, Technology, Engineering and Mathematics

The STEM Meta Major represents some of the fastest-growing, high-tech fields. If you elect to pursue a career as an engineer or computer programmer, or as a bio-chemist in a research lab, this meta major is for you.



Social and Behavioral Science and Human Services

Students in the Social and Behavioral Science and Human Services Meta Major have a desire to help their communities. They may choose to serve in government, or to help individuals, youth and families as social workers.



Career Pathway Academies— Okeechobee County

Leave high school college and career-ready
by enrolling in a Career Pathways Academy.

Agriculture, Food & Natural Resources

Production, processing, marketing, distribution, financing and development of agricultural commodities and resources, including food, fiber, wood products, natural resources, horticulture and other plant and animal products/resources.

Pathways:

- Agribusiness Systems
- Animal Systems
- Environmental Service Systems
- Food Products & Processing Systems
- Plant Systems
- Power, Structural & Technical Systems
- Natural Resources Systems



Career Pathways Academies

Okeechobee County High School

[Agricultural Technology Academy](#)

(Completers earn up to 10 credits in Automotive Service Technology at IRSC, plus up to 12 additional IRSC General Education credits.)

[Animal Science Academy](#)

(Completers earn up to 12 General Education credits at IRSC.)

[Aquaculture Academy](#)

(Completers earn 3 credits at IRSC, plus up to 12 additional IRSC General Education credits.)





You've Earned College Credit— Now Get Your Degree!

Academy completers have a head start in completing their college studies—**100% will receive IRSC credit.** If you have interest in the Agriculture, Food and Natural Resources Career Cluster, consider IRSC programs in the **Science, Technology, Engineering and Mathematics Meta Major.**

Associate in Arts (A.A.) Tracks

- Agricultural (Food and Resource) Economics
- Agriculture (General)
- Chemistry
- Forestry / Wildlife Ecology and Conservation

Associate in Science (A.S.) Programs

- Aquaculture Management
- Landscape and Horticulture Technology—Landscape Concentration
- Landscape and Horticulture Technology—Sports Turf Concentration

Certificate and Career Training Programs

- Aquaculture Technology
- Landscape and Horticulture Professional
- Landscape and Horticulture Specialist
- Landscape and Horticulture Technician

IRSC graduates get great jobs! What they say:

"So many times, you talk to people in our industry and they love golf, or they love being outside. But ultimately the people are just so important to me. The start I got at IRSC laid the groundwork for a career where I can connect to people and make them maximize who they are."

— **Carlos Arraya**
Bellerive Country Club, St. Louis, Missouri
A.S. Degree in Golf Course Operations



Architecture & Construction

Designing, planning, managing, building and maintaining the built environment.

Pathways:

- Design/Pre-Construction
- Construction
- Maintenance/Operations



Career Pathways Academies

Okeechobee County High School

Building Construction Technologies Academy

(Completers earn up to 9 credits at IRSC, plus up to 12 additional IRSC General Education credits.)





You've Earned College Credit— Now Get Your Degree!

Academy completers have a head start in completing their college studies—**100% will receive IRSC credit.** If you have interest in the Architecture and Construction Career Cluster, consider IRSC programs in the **Industry, Manufacturing and Construction Meta Major.**

Associate in Science (A.S.)/Associate in Applied Science (A.A.S.) Programs

- Air Conditioning, Refrigeration and Heating Systems Technology
- Building Construction Technology
- Civil Engineering Technology
- Drafting and Design Technology
- Electrical Power Technology
- Electronics Engineering Technology
- Interior Design Technology

Certificate and Career Training Programs

- Air Conditioning, Refrigeration & Heating Apprenticeship—Quick Job Training
- Air Conditioning, Refrigeration & Heating Technology I—Quick Job Training
- Air Conditioning, Refrigeration & Heating Technology II—Quick Job Training
- AutoCAD Foundations
- Basic Electronics
- Carpentry—Quick Job Training
- Drafting
- Electrical Apprenticeship—Quick Job Training
- Electronic Technology
- Home Staging
- Kitchen and Bath Design
- Plumbing Apprenticeship—Quick Job Training
- Residential Air Conditioning, Refrigeration & Heating Systems Assistant
- Solar Energy Technician

IRSC graduates get great jobs! What they say:

"I enjoy my career field because it is an environment that is always changing—I'm not stuck in an office. In my program, my instructor was very helpful. He was able to answer questions and provide me with the hands-on experience that I needed."

— **Brenda Garcia**

Air Pro Cooling & Heating
Certificate in Air Conditioning, Refrigeration and Heating Technology I



Arts, A/V Technology & Communications

Designing, producing, exhibiting, performing, writing and publishing multimedia content, including visual and performing arts and design, journalism and entertainment services.

Pathways:

- A/V Technology & Film
- Performing Arts
- Printing Technology
- Journalism & Broadcasting
- Visual Arts
- Telecommunications

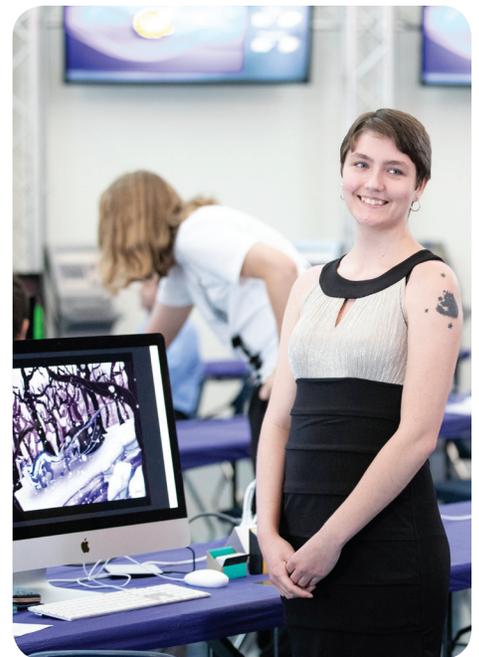


Career Pathways Academies

Okeechobee County High School

Digital Design Academy

(Completers earn up to 9 credits at IRSC, plus up to 12 additional IRSC General Education credits.)





You've Earned College Credit— Now Get Your Degree!

Academy completers have a head start in completing their college studies—**100% will receive IRSC credit.** If you have interest in the Arts, A/V Technology & Communications Career Cluster, consider IRSC programs in the **Arts, Humanities, Communications and Design Meta Major.**

Associate in Arts (A.A.) Tracks

- Art (General)
- Dance
- Dramatic Arts/Theatre
- English
- Multimedia Studies
- Journalism
- Music

Associate in Science (A.S.) Programs

- Digital Media Technology
- Graphics Technology

Bachelor of Applied Science (B.A.S.) Programs

- Digital Media—Animation, Gaming, and Modeling Concentration
- Digital Media—Graphic Design and Visual Communication Concentration

Certificate and Career Training Programs

- Digital Media Production
- Digital Media Support
- Graphic Design Production
- Graphic Design Support

IRSC graduates get great jobs! What they say:

"I graduated completely debt free with a Bachelor's Degree and a portfolio that landed me a great job. The teachers are knowledgeable, helpful and friendly. I truly felt that the teachers cared about both my experience at school and my future as a designer."

—**Caris Haggerty, Creative Design Specialist**
WMTEK
B.A.S. Degree in Digital Media/Graphic Design
& Visual Communication Concentration



Career Cluster 8

Health Science

Planning, managing and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Pathways:

- Therapeutic Services
- Diagnostic Services
- Health Informatics
- Support Services
- Biotechnology Research & Development



Career Pathways Academies

Okeechobee County High School

Nursing Assistant Academy

(Completers earn up to 307 Career Pathways clock hours at IRSC, plus up to 12 additional IRSC General Education credits.)

Electrocardiography (EKG) Technician Academy

(Completers earn up to 182 Career Pathways clock hours at IRSC, plus up to 12 additional IRSC General Education credits.)





You've Earned College Credit— Now Get Your Degree!

Academy completers have a head start in completing their college studies—**100% will receive IRSC credit.** If you have interest in the Health Science Career Cluster, consider IRSC programs in the **Health Science Meta Major.**

Associate in Arts (A.A.) Tracks

- Biology (General)
- Biology Preprofessional
- Biotechnology
- Chemistry
- Health Science

Associate in Science (A.S.) Programs

- Dental Assisting Technology and Management
- Dental Hygiene
- Emergency Medical Services
- Health Information Technology
- Health Services Management
- Medical Laboratory Technology
- Nursing—R.N.
- Physical Therapist Assistant
- Radiography
- Respiratory Care

Bachelor of Science (B.S.) Programs

- Biology
- Healthcare Management
- Nursing

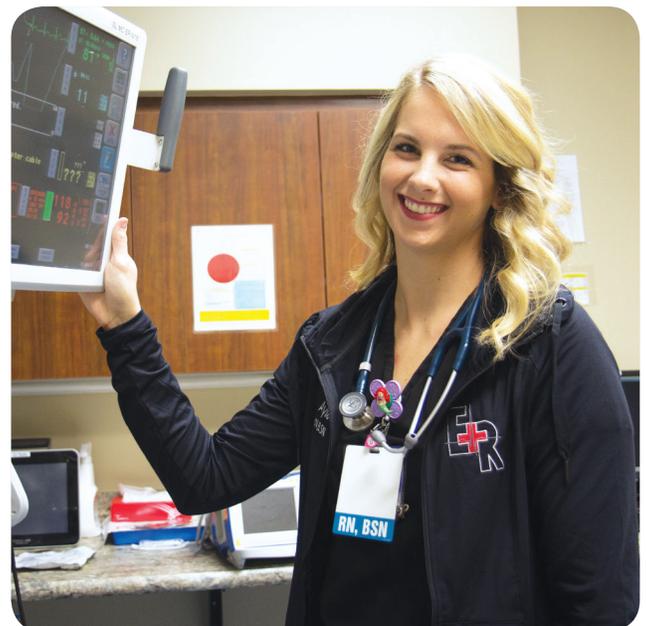
Certificate and Career Training Programs

- Emergency Medical Technician—Applied Technology Diploma
- Medical Administrative Specialist—Quick Job Training
- Medical Assisting—Quick Job Training
- Nursing Assistant—Quick Job Training
- Paramedic
- Pharmacy Technician—Quick Job Training
- Phlebotomy—Quick Job Training
- Practical Nursing—Quick Job Training
- Surgical Technology—Quick Job Training

IRSC graduates get great jobs! What they say:

"I love caring for critically ill patients and their families in their time of need. I feel honored with the trust my patients place in me to care for them at their most vulnerable time. I also was attracted to the career because of the stability and ability to move anywhere and still be employable."

— **Ayla Messier, B.S.N., R.N.**
Cleveland Clinic Martin Health
B.S. Degree in Nursing



Transportation, Distribution & Logistics

Planning, management and movement of people, materials and goods by road, pipeline, air, rail and water and related services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Pathways:

- Transportation Operations
- Logistics Planning & Management Services
- Warehousing & Distribution Center Operations
- Facility & Mobile Equipment Maintenance
- Transportation Systems/Infrastructure Planning, Management & Regulation
- Health, Safety & Environmental Management
- Sales & Service

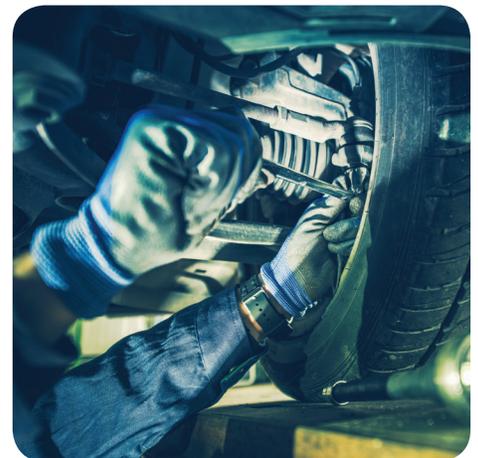
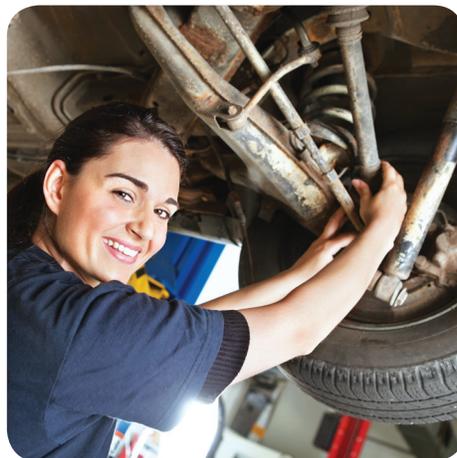
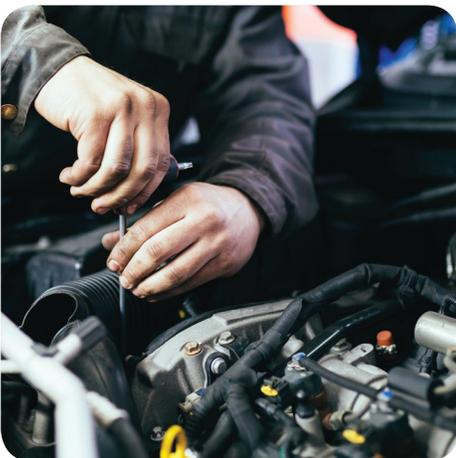


Career Pathways Academies

Okeechobee County High School

[Automotive Maintenance and Light Repair Academy](#)

(Completers earn up to 3 credits or 150 Career Pathways clock hours at IRSC, plus up to 12 additional IRSC General Education credits.)





You've Earned College Credit— Now Get Your Degree!

Academy completers have a head start in completing their college studies—**100% will receive IRSC credit.** If you have interest in the Transportation, Distribution & Logistics Career Cluster, consider IRSC programs in the Industry, Manufacturing and Construction and Business Meta Majors.

Associate in Arts (A.A.) Tracks

- Business Administration
- Public Administration

Associate in Science (A.S.)/Associate in Applied Science (A.A.S.) Programs

- Automotive Service Management Technology
- Business Administration

Certificate and Career Training Programs

- Automotive Service Technician
- Automotive Service Technology I
—Quick Job Training
- Automotive Service Technology II
—Quick Job Training
- Business Management
- Business Operations
- Electrical Apprenticeship
—Quick Job Training
- General Automotive Technician

Bachelor of Science (B.S.) Program

- Business Administration

Bachelor of Applied Science (B.A.S.) Program

- Organizational Management



About IRSC

Indian River State College (IRSC) is a public, comprehensive college with a statewide and national reputation for excellence. Each of the College's five campuses—in Fort Pierce, Okeechobee, Port St. Lucie, Stuart and Vero Beach—provide unparalleled educational environments. In recognition of high student achievement and performance, IRSC received the 2019 Aspen Prize for Community College Excellence and with it, the distinction as the "nation's top college."

At IRSC, students enjoy small classes, personal attention and state-of-the-art facilities, with friendly professors and advisors who are active partners in their educational journey. IRSC offers more than 100 programs ranging from Career Training to Bachelor's degrees. Students graduate job-ready as a result of opportunities such as internships, capstone projects, technical certificates and service learning that complement their academic pursuits. For those pursuing an advanced degree, credits earned at IRSC seamlessly transfer into Baccalaureate Degree programs offered at IRSC and at colleges and universities throughout the State of Florida.



About QCCPC

[The Quad County Career Pathways Consortium \(QCCPC\)](#) is an education-to-workforce partnership of several local education districts and organizations whose membership is based on the need to create effective sustainable systems improving students' matriculation, persistence, completion and career placement.

The consortium is made up of Indian River State College and Martin, St. Lucie, Indian River and Okeechobee school districts.



Professional Development

The QCCPC provides information, leadership, technical assistance, networking opportunities and professional development for Career Pathways and CTE practitioners interested in the academic and career success of secondary to post-secondary students. The QCCPC supports active participation of our practitioners with local, state and national career pathways associations and professional development opportunities, including the Florida Career Pathways Network, the National Career Pathways Network, the Florida Association for Career and Technical Education, the Association for Career and Technical Education, and the Institute for the Professional Development of Adult Learners.



Career Pathway Partnerships

Strong collaboration between education, employers and community partners are essential to creating high-quality Career Pathways/CTE programs of study. Through QCCPC efforts, academic, career and technical content can be made more relevant, rigorous and better aligned with the skills demanded by the labor market. Students can obtain college credit for coursework completed in high school, apprenticeships or industry-based training through local articulation agreements. The partnerships underscore the commitment and support of establishing career pathway oriented curriculum within local secondary, post-secondary and community organizations.

Okeechobee County High School

- Agricultural Technology Academy page 18
- Animal Science Academy page 18
- Aquaculture Academy page 18
- Automotive Maintenance and Light Repair Academy page 26
- Building Construction Technologies Academy page 20
- Digital Design Academy page 22
- Electrocardiography (EKG) Technician Academy page 24
- Nursing Assistant Academy page 24

My Top 3 Career Clusters:

1. _____
2. _____
3. _____

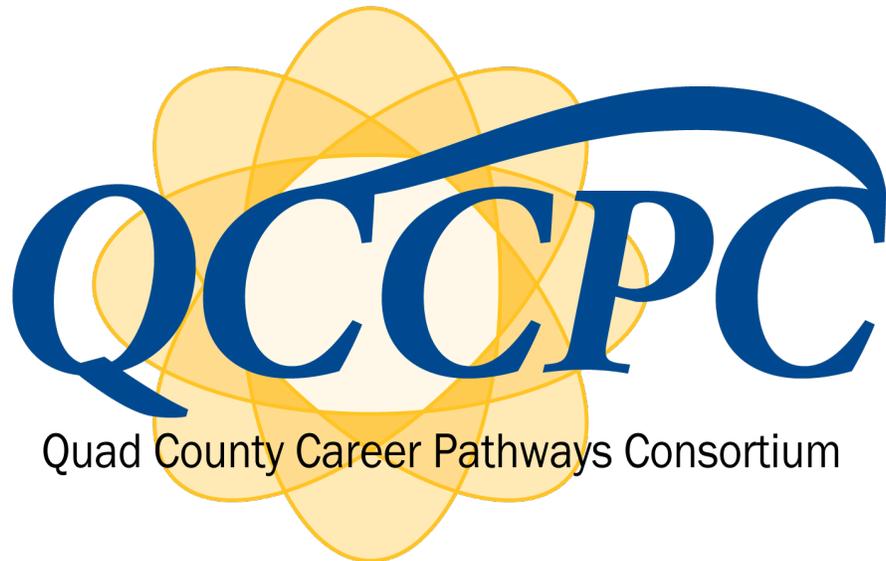
My Top 3 Career Pathways Academy:

1. _____
2. _____
3. _____

My Top 3 IRSC Meta Majors:

1. _____
2. _____
3. _____

For more information, contact **Strather DuPree**, Director of Articulation and Partnerships, Indian River State College and Chair, Quad County Career Pathways Consortium, at **772-462-7014**, or email **sdupree@irsc.edu**.



Visit www.irsc.edu/qccpc

Indian River State College • Martin County School District • St. Lucie County School District
School District of Indian River County • Okeechobee School District