PREPARE FOR CAREERS OF THE FUTURE

INNOVATE YOURSELF

HCC Career Pathways
# CAREER PATHWAYS

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When you become a Hillsborough Community College (HCC) student, you gain a partner in your educational journey—a caring community of support as you shape your area of study into preparation for a career. Our amazing team of advisers and faculty members will walk with you every step of the way to help ensure your success.

Starting strong. When you register for your first classes, an HCC adviser specific to your chosen Career and Academic Community will help you choose the coursework you need to accomplish your goals.

Checks and balances. Along the way, you may need to make adjustments—or even a complete 180-degree turn. That’s why we’re here! Our accessible network of support includes advising, free tutoring, career resources and much more.

Taking the next step. As you get closer to completing your program at HCC, you’ll find the tools you need to make your next move. Whether you’re applying for a job, seeking a bachelor’s degree program or anything in between, we have experts to guide you.
You're never alone.

At HCC, we are committed to helping students complete their educational journeys. Our support team offers guidance in navigating scholarships, grants and funding opportunities, as well as seeking help from community-based organizations like United Way and Metropolitan Ministries to help students overcome challenges or barriers to completion.
Start your journey.
Now, more than ever, higher education plays an essential role in achieving success in many careers.

Whether you’re just beginning your college experience, looking for specialized training for career advancement, or transitioning into a new profession, HCC can help put your plans into motion, with hundreds of courses and dozens of programs designed to help you earn a two-year associate in science (A.S.) degree or professional certification, or become eligible for university transfer.

Open-Door Admissions
Through HCC’s open-door policy, admission to the college is open to anyone who has earned a standard high school diploma, received a GED from any state department of education or through the military, or completed a home education program that meets state requirements. There are, however, certain programs with limited access—such as some health sciences programs, veterinary technology, and the fire science and law enforcement (public service) academies—requiring prospective students to apply separately.

Paying for College
HCC is among the most affordable colleges in Florida and about half the cost of the state universities. HCC tuition and fees are charged on a per-credit-hour basis and may be paid by cash, check, MasterCard or VISA at any campus bursar office. Many students are eligible for financial help in the form of grants, loans and scholarships. For more information, visit hccfl.edu/financialaid.

Flexible Schedules
Many students juggle the demands of work and life while pursuing higher education. HCC offers five convenient campus locations, day, night and weekend classes, and many online and hybrid course options. This scheduling flexibility helps students maximize their time while working toward their goals.

Hands-On Learning
HCC students find incredible value extending well beyond the classroom, with learning that brings them into real-world settings within their chosen fields. Health sciences programs, such as nursing and radiography, include clinical training within local hospitals and medical services companies. Police and fire academy trainees gain practical experience through simulated training scenarios. Veterinary technology students engage in service learning as they help perform needed surgeries on animals from shelters. Internships across many programs can lead to full-time employment.

Community Connections
As an essential component of our training, HCC partners with business and industry to help strengthen our engagement with the community we serve. By collaborating with numerous organizations and experts, we ensure our curriculum meets existing and emerging needs within our region.

Career Pathways Programs
Career pathways programs combine completion of a high school career academy or program of study with a matching degree or certificate at HCC. Students may be eligible to obtain free community college credit if they complete one of these academies or programs of study while in high school. Approximately 60 articulation agreements, linking high school and college programs, exist between the School District of Hillsborough County and HCC. If you possess a professional certification or license, you may also be eligible for college credit.

Accreditation
HCC has educated minds and changed lives since 1968. A stringent, national accreditation process administered by the Commission on Colleges of the Southern Association of Colleges and Schools ensures HCC’s continued commitment to academic excellence. The college is accredited to award associate degrees, diplomas and certificates.

By 2020, 65 percent of jobs will require postsecondary education beyond high school.
Source: Recovery: Job Growth and Education Requirements Through 2020, State Report, Georgetown University
Here are the basic steps to enroll, though they may vary depending on your status as a new student, transfer student, former student returning, transient student, veteran, international student or applicant to a program, such as nursing, that requires a separate application process.

Check out hccfl.edu/registernow for links to important information about our academic programs, financial aid, campus life and more. You can also search for classes and link to specific steps for applying and enrolling.

**Apply online.**
Complete our online application at apply.hccfl.edu.

**Secure your college funding.**
Review hccfl.edu/paying-for-college.aspx to view options for paying tuition. Apply for financial aid by completing the FAFSA at fafsa.ed.gov.

**Request and submit transcripts.**
In order to be degree-seeking and/or receive financial aid, HCC must have an official copy of your high school transcript (with graduation date), GED, or other college transcript on file. Be sure to request these as soon as possible.

**Connect with an adviser.**
Our advisers are here to assist you with placement tests, course selection and degree planning. Provide high school permanent record summary worksheet (if final high school transcript not received), copies of test scores and/or unofficial college transcripts if applicable.

**Complete the Welcome Orientation/Registration Workshop.**
The Welcome Orientation/Registration Workshop provides essential information about HCC and HawkNet, the web-based bank of resource tools for students. The Registration Workshop can be completed in person, on campus or online (in person is recommended for first-time-in-college students).

**Register and pay for classes.**
Once registered, submit payment for any charges not covered by financial aid or any other resources. Visit hccfl.edu/paying-for-college.aspx for more information on payment options, including the Tuition Installment Plan (TIPS).
HCC STAYS ON THE CUSP OF LEARNING

that leads to academic achievement and training that contributes to our region’s ability to remain competitive.
EXPLORE YOUR OPTIONS AT HCC

Within your career pathway, you may choose to pursue some of the following degree and certificate options. These programs offer you the flexibility to pursue a particular job or work toward a more advanced credential in your current career.

**Associate in Science Degree (A.S.)**
The A.S. degree prepares students for high-skill, high-wage employment and possible transfer to a four-year university. HCC’s excellent A.S. programs bring opportunities to earn credentials for a variety of jobs in a relatively short period of time. In most cases, students may complete these programs in two years. Credits from A.S. degree programs may be applied toward earning bachelor’s degrees at other colleges and universities.

**College Credit Certificate (C.C.C.)**
Short-term C.C.C. programs, ranging from 12 to 50 credit hours, provide highly specialized core knowledge and skills within a particular profession. This is a great option for those who want to advance in a current job or change occupations. Credits earned may also apply to a related A.S. degree.

**Advanced Technical Certificate (A.T.C.)**
For those who already have an A.S. degree, the A.T.C. offers a short-term, advanced training option. Programs range from 9 to 45 credit hours.

**Applied Technology Diploma (A.T.D.)**
A short-term, technical training program focusing on a specific field or job, the A.T.D. requires a minimum of 11 credits, which may be applied to the related A.S. degree.

**Postsecondary Adult Vocational (P.S.A.V.)**
P.S.A.V. programs offer short-term training to gain high-tech skills and immediate employment. While most of these programs do not offer college credit, they do require high school diplomas. The number of hours required for completion of P.S.A.V. programs varies, and some combine on-the-job training with coursework.

**Support for All Students**
Whether you’re fresh out of high school, or you have years of work experience and are ready to add credentials to your résumé or prepare for a new career, HCC welcomes students of all ages and backgrounds. Here you will find a supportive community and family atmosphere to help you succeed.

**40%**
OF TODAY’S COLLEGE STUDENTS ARE 25 OR OLDER.

Source: postsecondary.gatesfoundation.org
Business skills can open many doors, with vast career possibilities from investments and banking to marketing and public relations. HCC’s business programs teach the fundamentals of running an effective business, positioning you for a successful future.

HCC has partnered with Hillsborough County to create Operation Startup, an entrepreneurial collaboration center located in Ybor City for Veterans, active duty service members, their spouses, and business partners who are interested in starting or growing a business. Learn more at operation-startup.com.
A.S. Accounting Technology (Financial or Tax Options)
With the rise of globalization and new regulatory processes, the field of accounting is constantly changing, and qualified professionals are in high demand.

Accounting Technology Management C.C.C.
27 credit hours

Accounting Technology Operations C.C.C.
18 credit hours

Accounting Technology Specialist C.C.C.
12 credit hours

A.S. Business Administration
This degree can lead to jobs in customer management, international business management or marketing. Graduates may also transfer to any state university offering a bachelor’s degree in general business or business administration and management.

Business Management C.C.C.
24 credit hours

Business Operations C.C.C.
18 credit hours

Business Specialist C.C.C.
12 credit hours

A.S. Business Administration: Entrepreneurship Option
Add an entrepreneurial twist to your business degree through this exciting option, where you gain the knowledge to start and build a successful company.

Business Development and Entrepreneurship C.C.C.
25 credit hours
Learn to determine the viability of a business idea, write a comprehensive business plan, and develop the skills needed to accomplish your goals. If you’re ready to turn your vision into a reality and start your own business, HCC will show you how to begin and how to succeed.

Entrepreneurship and Innovation C.C.C.
12 credit hours
This program is designed for current and aspiring entrepreneurs.

A.S. Business Administration: International Business Management Option
For students interested in a more global perspective, this track offers training and coursework specific to international business.

A.S. Office Administration
Customize a program to suit your talents and career goals. Prepare for jobs like office manager, staff assistant, executive secretary, human resource technician, sales representative, medical office manager, medical coder or medical billing clerk.

Human Resource Management C.C.C.
27 credit hours

<table>
<thead>
<tr>
<th>Accounting Clerk</th>
<th>Administrative Services Manager</th>
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<tr>
<td>$34,696</td>
<td>$102,061</td>
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<table>
<thead>
<tr>
<th>Human Resources Specialist</th>
<th>Medical Records/Health Information Technician</th>
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<td>$50,764</td>
<td>$35,963</td>
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Median Annual Salaries*

Office Management C.C.C.
27 credit hours

Office Specialist C.C.C.
18 credit hours

Office Support C.C.C.
18 credit hours

Records Management Specialist C.C.C.
18 credit hours

A.S. Office Systems Technology
Train for office administration positions such as office systems manager, administrative assistant, receptionist, software applications specialist, customer service representative and help desk specialist.

A.S. Office Management
Graduates of this program may move into mid-management positions such as office manager, equipment sales, staff assistant, executive assistant or human resource technician.

A.S. Medical Office Administration
This program helps students prepare for roles such as medical office manager, medical coder, medical billing clerk, insurance processor and medical transcriptionist.

Medical Coder C.C.C.
34 credit hours
A medical coder uses a classification system to assign numbers and letters to each symptom, diagnosis, disease, procedure and operation in a patient’s chart.

Medical Biller C.C.C.
34 credit hours
A high degree of accuracy and working knowledge of medical terminology, anatomy and physiology are important for this role.

Medical Office Management C.C.C.
34 credit hours

Medical Office Specialist C.C.C.
18 credit hours

* Median annual salaries are based on information from the Florida Labor Market Statistics, Occupational Employment Statistics & Wages Program. They may vary by organization and location. Visit employflorida.com for most current information.
Artistic talent, an eye for detail and interest in technology are a few of the common traits for architectural design and construction professionals. HCC offers meticulous training that can lay the groundwork for a fruitful career.

**BUILD A SOLID FOUNDATION**

**A.S. Architectural Design and Construction Technology**
Train to become a construction planner, architectural assistant or architectural engineer. If you pass the contractor’s exam, you can start your own business.

**AutoCAD Foundations C.C.C.**
*15 credit hours*
Students learn two levels of CAD applications, manual techniques, blueprint reading and building system design.

**Drafting C.C.C.**
*24 credit hours*
This expanded program includes the AutoCAD Foundations Certificate content plus 3-D modeling using AutoCAD software and an introduction to architectural design.

**Sustainable Design C.C.C.**
*19 credit hours*
Engage in specialized training in green building design and LEED standards.

**Median Annual Salaries**

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<tr>
<th></th>
<th>Architectural Drafter</th>
<th>Construction Manager</th>
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<tbody>
<tr>
<td><strong>Salary</strong></td>
<td>$48,355</td>
<td>$79,028</td>
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**APPRENTICESHIP PROGRAMS**
See page 13 for additional training programs in the construction field.
If you’re a high school graduate who wants to master a lucrative trade or update your skills, check out our auto and welding programs. HCC’s state-of-the-art training center offers the highest quality equipment and optimal spaces for hands-on learning.

**GET ON A CAREER FAST TRACK**

### Automotive and Transportation Programs

**Automotive Collision Repair and Refinishing P.S.A.V.**
- **1,400 clock hours**
- Train to become a qualified technician in the auto body repair industry, developing abilities such as automotive painting, and nonstructural, structural, mechanical and electrical repair.

**Automotive Service Technology P.S.A.V.**
- **1,800 clock hours**
- Today’s technicians must know how to fix complex computer and electrical systems. This program teaches the most current automotive service techniques.

**Diesel Technician P.S.A.V.**
- **1,800 clock hours**
- Train to become a diesel engine specialist qualified to work with passenger cars, light and heavy duty trucks, buses, construction and mining equipment, farm equipment, freight rail, marine equipment and power generation.

**Welding Technology P.S.A.V.**
- **1,050 clock hours**
- Welders are in high demand across many industries, from car racing to manufacturing. Learn to study blueprints, calculate dimensions, inspect and repair materials or structures and maintain equipment.

### Regional Transportation Training Center

HCC is moving forward with plans to build a Regional Transportation Training Center to meet the growing demand for transportation, logistics and distribution jobs. Over the past 10 years, HCC’s transportation programs have received a $750,000 grant from the Department of Commerce, a $600,000 grant from the Kellogg Foundation, $250,000 from JPMorgan Chase, and in-kind contributions from industry partners.

### Median Annual Salaries

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Salary</th>
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<tr>
<td>Automotive Body Repairer</td>
<td>$38,008</td>
</tr>
<tr>
<td>Automotive Service Technician/Mechanic</td>
<td>$37,269</td>
</tr>
<tr>
<td>Welders, Cutters and Welder Fitters</td>
<td>$36,267</td>
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</table>

**Regional Transportation Training Center**
With a sponsoring contractor in your selected field, you can work 40 hours a week and attend training classes two nights a week. Plus your tuition is free! Some of the credits earned in these programs may count toward an A.S. degree in industrial management technology.

Associated Builders and Contractors
In just four years, you can become a journeyman in the fields of plumbing, carpentry, fire sprinkler, HVAC electrical technician or sheet metal fabricator, while earning a good salary. Job opportunities include project manager, estimator, sales person and business owner.

Independent Electrical Contractors
Earn a salary while training to be a residential wireman, telecommunications technician or electrical journeyman in four years or less. Job opportunities include electrician, systems technician, project manager, estimator and business owner.

UA Local 123, Plumbing and Pipefitting
After spending five years working with experienced journeymen and earning a salary, the union will place you in a position as a plumber, pipefitter, HVAC technician, estimator, project manager or salesperson.

UA Local 821, Sprinkler Fitters
Train to be a technician specializing in design, installation, and maintenance of sprinkler and fire protection systems. Earn a salary during your five years of training, and then join the ranks of experienced fire sprinkler technicians through union job placement.

Architectural Design and Construction Technology
See page 11 for information about degrees and certificates in this field.

Engineering Technology
See page 16 for information about this program.

Welding Technology P.S.A.V.
See page 12 for information about this program.
Do you enjoy working with and teaching children? Early childhood education can be life-changing, and HCC’s programs offer real-world experience and excellent instruction—including unique opportunities to work with children at the Ybor City and Dale Mabry Campus Child Development Centers.

### HELP CHILDREN GROW

A.S. Early Childhood Management
Focus on the development, care, guidance and education of young children. Ready yourself to meet the state’s training requirements for a staff credential.

#### Counseling and Human Services
See page 19 in the Health Sciences section for more information about this program.

### Median Annual Salaries

<table>
<thead>
<tr>
<th>Position</th>
<th>Median Salary</th>
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<tbody>
<tr>
<td>Education Administrator, Preschool</td>
<td>$61,300</td>
</tr>
<tr>
<td>Preschool Teacher</td>
<td>$24,163</td>
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</table>
Put your imagination and dexterity to work making better technologies for our world. The growing industries of biotechnology and engineering technology offer many opportunities for high-paying careers in Florida and beyond.

LOCAL INTERNSHIPS

As a part of the curriculum, HCC engineering technology students engage in meaningful internships with local manufacturers; these experiences very often lead to job offers for program graduates.
A.S. Biotechnology
Biotechnology utilizes living organisms to make useful products from biological systems. Prepare for emerging, fascinating occupations in biotechnology research, cell culture or biotechnology manufacturing.

**Biotechnology Specialist C.C.C.**

*19 credit hours*

A.S. Computer Engineering Technology
Learn to repair hardware and software in micro, mini and mainframe computers.

**Microcomputer Repairer/Installer C.C.C.**

*15 credit hours*

A.S. Electronics Engineering Technology
Learn to troubleshoot electronic equipment and assist engineers in research, development and design. Graduates may transfer to any state university offering a B.A. degree in electronics engineering technology or general engineering technology (electrical track).

**Electronics Technician C.C.C.**

*31 credit hours*

**Laser and Photonics Technician C.C.C.**

*12 credit hours*

A.S. Engineering Technology
Specialized training on cutting-edge equipment teaches the techniques to succeed in advanced manufacturing careers. Graduates may earn the Manufacturing Skill Standards Council (MSSC) Certified Production Technician (CPT) industry certification and step into high-skill, high-wage positions.

**Automation C.C.C.**

*12 credit hours*

**Computer Numerical Control (CNC) Machinist C.C.C.**

*12 credit hours*

**Engineering Technology Support Specialist C.C.C.**

*18 credit hours*

**Lean Manufacturing C.C.C.**

*12 credit hours*

**Mechatronics C.C.C.**

*30 credit hours*

**Pneumatics, Hydraulics and Motors for Manufacturing C.C.C.**

*13 credit hours*

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**Median Annual Salaries**

<table>
<thead>
<tr>
<th>Profession</th>
<th>Median Salary</th>
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</thead>
<tbody>
<tr>
<td>Bioinformatics Technician</td>
<td>$36,720</td>
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<tr>
<td>Electrical/Electronic Engineering Technician</td>
<td>$51,210</td>
</tr>
<tr>
<td>Engineering Technician</td>
<td>$62,444</td>
</tr>
<tr>
<td>Industrial Engineering Technician</td>
<td>$58,185</td>
</tr>
<tr>
<td>Mechanical Engineering Technician</td>
<td>$55,131</td>
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Florida is home to more than 260 biotech companies and is the second leading state for FDA-registered medical device manufacturing facilities.

Source: enterpriseflorida.com
With so many businesses working toward more sustainable practices, environmental science continues to increase in relevance. Discover careers that often chart new territories, with infinite opportunities for expansion.

**FOLLOW A GREEN PATHWAY**

A.S. Aquaculture
Discover the scientific way to raise fish and train to be a field assistant or technician in the aquaculture, fish farming or aquarium sciences industries. Important to the local economy, tropical fish are among the largest exports out of Tampa Bay.

Aquaculture Technology C.C.C.
26 credit hours

A.S. Environmental Science Technology
Help protect the environment and manage natural resources by learning to conduct environmental assessments sampling wildlife, plants, soil and water. Outdoor field activities and exercises are central to the curriculum.

Water Quality Technician C.C.C.
12 credit hours
Learn how to assess the health of local rivers and lakes using field measures and computer-based technologies.

Advanced Water Treatment P.S.A.V.
630 clock hours
Train for environmental sampling and clean-up, water distribution, and wastewater collection and treatment.

**Median Annual Salaries**

<table>
<thead>
<tr>
<th>Occupation</th>
<th>Salary</th>
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<tbody>
<tr>
<td>Aquaculture Manager</td>
<td>$77,293</td>
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<tr>
<td>Environmental Science Technician</td>
<td>$35,995</td>
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</tbody>
</table>
If you’re strong in science and enjoy caring for others, a career in health sciences may be ideal for you. As the health care industry grows and evolves, dedicated, skilled professionals continue to be in high demand. HCC’s excellent health sciences programs help sustain the health care workforce and provide higher quality care for patients.

WORKING WITH PATIENTS

HCC’s Dental Clinic provides discounted dental services to the community, while bringing opportunities for students to gain hands-on experience with patients.
A.S. Cardiovascular Technology
Train to become a cardiovascular technologist who performs non-invasive cardiac and vascular examinations using ultrasound equipment during this 21-month degree program. Cardiac sonographers (echocardiographers) specialize in imaging a patient’s heart with ultrasound equipment. They work closely with physicians and surgeons before, during and after procedures. Vascular sonographers (vascular technologists) create images of blood vessels and collect data that helps physicians diagnose disorders affecting blood flow.

Medical Laboratory Science A.T.C.
45 credit hours (requires a bachelor’s degree in chemistry or biology for admission)
This precise science is the backbone of medical and health sciences. Train to become a medical laboratory scientist (MLS) by working with highly complex instrumentation to perform laboratory tests on blood and body fluids. Employ critical thinking skills to interpret laboratory test data and report results to physicians for diagnosis and treatment of patients. Develop skills that you may apply in laboratories, hospitals, research and pharmaceuticals.

A.S. Counseling and Human Services
Prepare for careers in counseling, social work and human development through a combination of classroom learning and internship experiences. Graduates may transfer to bachelor’s degree programs available at several local universities. This is the only nationally accredited human services program in the state of Florida.

A.S. Dental Hygiene
Dental hygienists perform preventive procedures that include scaling, polishing, and root planing, and exposing and processing radiographs. Graduates must pass national and state dental hygiene board exams to become registered dental hygienists.

Dental Assisting P.S.A.V.
1,230 clock hours (one-year program)
Dental assistants work with dentists during a variety of procedures. Learn to take X-rays, fabricate temporary crowns, place sealants and polish teeth. All graduates of this program earn the Florida Expanded Function Dental Assistant (EFDA) certification. Graduates must pass the Dental Assisting National Board Examination to earn the Certified Dental Assisting (CDA) designation.

A.S. Diagnostic Medical Sonography Technology
Sonography uses high-frequency sound waves to create images of the human body. Graduates must pass national registry examinations to become certified sonographers.

A.S. Emergency Medical Services
If you are a licensed or licensure-eligible paramedic, or have been accepted into the paramedic program, this program offers you an opportunity to specialize in education, management or technology.

Emergency Medical Technician (EMT) C.C.C.
11 credit hours
Train to become an EMT who provides basic life support measures on an ambulance crew.

Paramedic C.C.C.
42 credit hours
Learn advanced life support techniques.

A.S. Health Navigator
60 credit hours
Health navigators serve as part of a health care team and assist patients in gaining access to resources that contribute to treatment adherence and improvement of overall health.

Health Navigator C.C.C.
31 credit hours

A.S. Nuclear Medicine Technology
Nuclear medicine technologists are highly specialized health care professionals who provide unique information about the structure and function of major organs and body systems to radiologists and nuclear medicine physicians, enabling them to stage, treat and diagnose various diseases. Learn to prepare and administer radiopharmaceuticals, perform imaging procedures, and provide images and data analysis to physicians for diagnostic interpretation. Graduates may take the national certification exams and obtain a Florida license.

A.S. Nursing R.N.
A nationwide shortage of nurses means great job prospects. Get additional training for specialty areas like surgical care, critical care and burn units. HCC’s program takes four semesters, and graduates are eligible for the national R.N. licensing exam. Qualifying graduates may also transfer into the B.S.N. program at the University of South Florida (USF).

Nursing L.P.N.-R.N. Transition Option
This 15-month program helps L.P.N.s and paramedics to become registered nurses. Students must have a valid Florida L.P.N. license or paramedic certificate to enroll. Graduates are eligible to take the R.N. licensing exam. Summer admission only.

THE U.S. DEPARTMENT OF LABOR PROJECTS THAT BY 2024, THE EMPLOYMENT OF MEDICAL LABORATORY TECHNICIANS AND SCIENTISTS WILL INCREASE BY 16%. 

16% more jobs
### Median Annual Salaries

<table>
<thead>
<tr>
<th>Professional</th>
<th>Annual Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardiovascular Technologist/Technician</td>
<td>$46,404</td>
</tr>
<tr>
<td>Dental Hygienist</td>
<td>$66,489</td>
</tr>
<tr>
<td>Emergency Medical Technician/Paramedic</td>
<td>$31,117</td>
</tr>
<tr>
<td>Nuclear Medicine Technologist</td>
<td>$73,343</td>
</tr>
<tr>
<td>Optician</td>
<td>$40,111</td>
</tr>
<tr>
<td>Radiation Therapist</td>
<td>$81,079</td>
</tr>
<tr>
<td>Registered Nurse</td>
<td>$62,424</td>
</tr>
<tr>
<td>Respiratory Therapy Technician</td>
<td>$45,547</td>
</tr>
</tbody>
</table>

### Biotechnology

See page 16 to find out more about this program.

### Medical Coder and Medical Biller

See page 10 for more information about this program.

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### A.S. Optical Management Technology

This program—available on campus or online—prepares opticians for supervisory or management positions in the ophthalmic industry, learning about safety and sports vision, management and marketing.

### A.S. Opticianry

Opticians measure, fit and adapt eyeglasses and contact lenses. Learn basic ocular science, including optics, anatomy, contact lenses and refractometry. Gain specific skills in professional management, eyewear fabrications, and dispensing—along with clinical experience in our state-of-the-art campus dispensary and at affiliate sites. Graduates may take state and national certification and/or licensure exams for opticians. This program offers on-campus and online coursework options.

### Eye Care Technician C.C.C.

48 credit hours

### Ophthalmic Laboratory Technician C.C.C.

24 credit hours

### Visual Assessment A.T.C.

11 credit hours

### A.S. Radiation Therapy

Learn to administer high-energy radiation therapy treatments using linear accelerators and CT simulation. Graduates may take the national radiation therapy examination.

### Radiation Therapy Specialist C.C.C.

43 credit hours

(Open only to certified, licensed radiographers)

### A.S. Radiography

Radiographers perform diagnostic imaging (X-ray) procedures of the human body to diagnose and treat injury and disease. Graduates may take the national American Registry of Radiologic Technologists certification exam; they are also eligible for a Florida General Radiographer license.

### Computed Tomography Advanced Imaging A.T.C.

14 credit hours

This is open only to ARRT-registered radiographers, radiation therapists, nuclear medicine technologists, or those with equivalent NMTCB certifications. Computed tomography uses specialized X-ray equipment to visualize cross-sectional anatomical structures inside the body, demonstrating pathologies and disease processes. Graduates are eligible for national certification exams and Florida licensure.

### A.S. Respiratory Care

Specialize in treating patients who have difficulty breathing due to pulmonary or cardiac disease, and work with premature infants, children, trauma victims and patients requiring life support. Graduates may take the national certification and registry exams.

### NBRC Certified Respiratory Therapist (CRT) Option

This option is open only to currently Florida-licensed CRT practitioners who want to earn the A.S. degree in respiratory care. Eligible students receive 23 credits and may earn an A.S. degree after completing 53 credits in the program.
If you enjoy working with people and food, hospitality and culinary arts may be the field for you. Beyond training to be a chef, there are many rewarding opportunities to improve health, manage businesses or plan events. And Florida is a prime location for the hospitality industry.

**A.S. Culinary Management**
Develop and perfect the techniques to become a professional cook or chef.

**Chef's Apprentice C.C.C.**
12 credit hours
Gain the skills to work as a pantry, prep or lead cook.

**Culinary Arts C.C.C.**
35 credit hours
Train to become a cook, restaurant manager or food director of a hotel or resort.

**A.S. Dietetic Technician**
A dietetic technician guides others to better health through nutrition. Train to work with a registered dietitian to assist with menu planning, diet instruction and food purchasing in schools, hospitals, resorts or senior living facilities.

**A.S. Hospitality and Tourism Management**
Train to manage hotels, motels, recreation establishments and resorts.

**Event Planning Management C.C.C.**
24 credit hours
Discover careers in the hospitality industry through the study of economics, law, management, merchandising and more.

**A.S. Restaurant Management**
Acquire the skills to manage a hotel/motel, restaurant, bar or catering agency.

**Food and Beverage Management C.C.C.**
31 credit hours
Get ready to take on the role of supervisor or manager in the food and beverage industry.

**Food and Beverage Operations C.C.C.**
18 credit hours
Master basic operations required to run a restaurant or to manage food services on a cruise ship or in other areas of hospitality.

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**The HCC Gourmet Room** gives culinary arts students experience operating and managing a real restaurant.

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**Median Annual Salaries**

<table>
<thead>
<tr>
<th>Role</th>
<th>Median Annual Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chef or Head Cook</td>
<td>$52,408</td>
</tr>
<tr>
<td>Event Planner</td>
<td>$44,871</td>
</tr>
<tr>
<td>Food Service Manager</td>
<td>$60,651</td>
</tr>
</tbody>
</table>
If you’re tech-savvy and want to make a career of it, consider information technology. Training at HCC can help you land a position in fields such as engineering, internet services, network administration, computer programming and database technology.

DIGITAL AND DYNAMIC
Web design and development are growing fields as the digital world continues to expand.
A.S. Computer Information Technology
Train to be a PC support specialist in microcomputers, software or information systems.

A.S. Computer Programming and Analysis
Develop the skills to become a computer programmer, data manager, specialist or analyst.

Computer Programmer C.C.C.
36 credit hours

Computer Programming Specialist C.C.C.
18 credit hours

A.S. Database Technology
Become a database technology expert who leads businesses in this important role.

Database Administrator C.C.C.
15 credit hours

A.S. Internet Services Technology – Web Designer
Train to be a web designer, web master, ecommerce developer or intranet architect. After completing this program you will be proficient in website design.

Internet Services Technology Web Development Specialist - Designer C.C.C.
35 credit hours

A.S. Internet Services Technology – Web Developer
Gain the skills to become a web technician, administrator, developer, manager or architect.

Internet Services Technology Web Development Specialist - Developer C.C.C.
35 credit hours

A.S. IT Project Management
Prepare for junior or entry-level program management jobs in information technology by learning a range of business, technology and project management skills.

A.S. Network Systems Technology
Prepare for positions such as cabling specialist, network control operator, data communications analyst, network technician or systems administrator. Students in this program may choose one of the following A.S. degree tracks:

Network Administrator (Microsoft)
Receive the technical training to be a computer network specialist, network administrator, customer support analyst, systems installer, or network systems engineer.

Network Infrastructure (Cisco)
Learn network infrastructure concepts, protocols and configurations related to routers, LAN, VLAN, WAN, IP addressing and more.

Unix/Linux
Unix or Linux administrators install and troubleshoot information technology equipment and provide support.

Security/Cyber Security
Become an information technology security professional assisting business and industry in defending security attacks.

Digital Forensics
Gain proficiency in basic and advanced security concepts, computer forensics investigations, and other skills related to this field.

Digital Forensics C.C.C.
30 credit hours

Help Desk Support Technician C.C.C.
18 credit hours

Network Enterprise Administration C.C.C.
27 credit hours

Network Infrastructure C.C.C.
21 credit hours

Network Security/Cyber Security: Cisco, Windows or Unix/Linux C.C.C.
30 credit hours

Network Server Administration C.C.C.
24 credit hours

Network Support Technician C.C.C.
18 credit hours

Unix/Linux System Administration C.C.C.
24 credit hours

Median Annual Salaries

<table>
<thead>
<tr>
<th>Position</th>
<th>Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer Programmer</td>
<td>$74,277</td>
</tr>
<tr>
<td>Computer Systems Analyst</td>
<td>$82,165</td>
</tr>
<tr>
<td>Computer User Support Specialist</td>
<td>$42,794</td>
</tr>
<tr>
<td>Database Administrator</td>
<td>$81,198</td>
</tr>
<tr>
<td>Network/Computer Systems Administrator</td>
<td>$78,437</td>
</tr>
<tr>
<td>Software Developer, Applications</td>
<td>$84,801</td>
</tr>
<tr>
<td>Web Administrator</td>
<td>$77,782</td>
</tr>
<tr>
<td>Web Developer</td>
<td>$57,672</td>
</tr>
</tbody>
</table>
If you have a creative side and an interest in technology, media arts technology can lead you to an exciting career in television or radio production, graphic design or digital media. Take a look at HCC’s array of options.

A.S. Digital Media/Multimedia Technology
Gain practical knowledge in production design, electronic publishing, multimedia development, interface design and graphic design.

Students in this program may choose one of the following tracks:

Game Design and Development
Specialize in designing and developing digital games.

Multimedia Developer
Become a multimedia specialist and multimedia presentation developer.

Digital Media/Multimedia Instructional Technology C.C.C.
15 credit hours

Digital Media/Multimedia Production C.C.C.
15 credit hours

Digital Media/Multimedia Video Production C.C.C.
12 credit hours

Digital Media/Multimedia Web Production C.C.C.
15 credit hours

Game Authoring C.C.C.
12 credit hours

Graphic Design Production C.C.C.
27 credit hours

A.S. Digital Television and Media Production
This fast-paced program readies students for careers in television, radio and web production using the latest professional equipment and software. Get valuable experience by broadcasting on the college’s radio station and Tampa’s educational cable channel.

Broadcast Production C.C.C.
24 credit hours

Digital Video Production C.C.C.
12 credit hours

Television Production C.C.C.
12 credit hours

Video Editing and Post Production C.C.C.
24 credit hours

Median Annual Salaries

<table>
<thead>
<tr>
<th>Position</th>
<th>Median Annual Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Broadcast News Analyst</td>
<td>$39,381</td>
</tr>
<tr>
<td>Camera Operator (Television, Video and Motion Picture)</td>
<td>$43,972</td>
</tr>
<tr>
<td>Film/Video Editor</td>
<td>$38,517</td>
</tr>
<tr>
<td>Multimedia Artist/Animator</td>
<td>$50,381</td>
</tr>
<tr>
<td>Producer</td>
<td>$65,357</td>
</tr>
<tr>
<td>Radio/Television Announcer</td>
<td>$30,373</td>
</tr>
</tbody>
</table>
Public service is a truly honorable pursuit, and many career paths in this area offer exciting work environments and interesting cases requiring dedication, skill and attention to detail.

Graduates of HCC’s fire fighting program have a higher than 92 percent pass rate at the state testing level.
A.S. Criminology and Criminal Justice Studies
This program offers a broad view of the criminal justice system and prepares students for careers in law enforcement, crime scene investigations, corrections, juvenile justice, private security, homeland security and law. Graduates may transfer to a university to seek a bachelor’s degree. Graduates of a law enforcement academy may receive college credit hours toward this degree.

Crime Scene C.C.C.
28 credit hours

Criminal Justice Technology Specialist C.C.C.
24 credit hours

Homeland Security Specialist C.C.C.
9 credit hours

Bail Bonding P.S.A.V.
120 clock hours
Take the steps to become a licensed bail bond agent in Florida.

Correctional Officer P.S.A.V.
420 clock hours
Train to be responsible for the supervision, protection, custody and investigation of inmates within a correctional facility.

A.S. Fire Science Technology
Qualify to be a fire science technician, fire officer, fire safety inspector, building inspector or fire insurance salesperson.

Executive Fire Officer A.T.C.
30 credit hours
You must possess a current Certificate of Compliance/Completion from the Florida State Bureau of Fire Standards and hold an A.S. degree in fire science technology or emergency medical services to be admitted into this program. In addition, you should have completed FFP 1710, FFP 1810, FFP 2700, FFP 2740, FFP 2811 and FFP 2401.

Fire Fighting P.S.A.V.
435 clock hours
Train to become a firefighter in Florida and obtain your professional certification. Develop skills such as fire attack and control, fire ground ladder, hose and rope operations, and basic emergency medical care.

A.S. Paralegal Studies/Legal Assisting
Under the supervision of an attorney, a paralegal or legal assistant responsibilities may include conducting research, preparing legal documents, analyzing information and interviewing clients.

Paralegal Studies/Legal Assisting A.T.C.
21 credit hours
If you already hold a bachelor’s or higher degree, this certificate will qualify you for work in a law office, corporation or government agency. Qualify to sit for the Certified Legal Assistant Exam sponsored by the National Association for Legal Assistants.

Median Annual Salaries

<table>
<thead>
<tr>
<th>Position</th>
<th>Median Annual Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forensic Science Technician</td>
<td>$45,144</td>
</tr>
<tr>
<td>Criminal Investigator/Special Agent</td>
<td>$66,038</td>
</tr>
<tr>
<td>Correctional Officer</td>
<td>$37,563</td>
</tr>
<tr>
<td>Fire Inspector/Investigator</td>
<td>$60,144</td>
</tr>
<tr>
<td>Paralegal/Legal Assistant</td>
<td>$47,457</td>
</tr>
<tr>
<td>Police Detective</td>
<td>$66,038</td>
</tr>
<tr>
<td>Police Patrol Officer</td>
<td>$56,712</td>
</tr>
<tr>
<td>Security Guard</td>
<td>$21,984</td>
</tr>
</tbody>
</table>

Law Enforcement P.S.A.V.
770 clock hours
Train to become a law enforcement officer responsible for preventing and detecting crime, and enforcing laws—with the authority to bear arms and make arrests.

Law Enforcement Auxiliary P.S.A.V.
319 clock hours
Graduates may serve as part-time law enforcement officers.

Private Investigator P.S.A.V.
40 clock hours
Become versed in the legalities and techniques of working as a private investigator.

Public Safety Telecommunications P.S.A.V.
232 clock hours
Pursue a career in high demand as a police or fire dispatcher.

Counseling and Human Services
See page 19 for information about this program.
If you have a soft spot for animals and an aptitude for math and science, consider this rewarding career path. HCC’s veterinary technology program features outstanding faculty members with professional expertise, along with many hands-on learning opportunities. Students serve the community through partnerships with local shelters to help homeless animals receive veterinary services.

**A.S. Veterinary Technology**

Train to work in veterinary private practice, agriculture (equine services, farms and ranches), biomedical research, zoo/wildlife medicine, tourist/recreational facility animal care and research, veterinary supplies sales, or humane societies. Graduates of this program have very high job placement rates, and their pass rates on the Veterinary Technician National Examination (VTNE) are consistently well above the national average.

**Median Annual Salaries**

Veterinary Technologist/Technician

$30,295

THE HCC VETERINARY TECHNOLOGY PROGRAM IS THE SECOND LARGEST AVMA-ACCREDITED PROGRAM IN FLORIDA.
HCC PREPARES STUDENTS FOR SUCCESS in their professional fields and in life.
Each of HCC’s campuses offers a variety of A.S. degree and workforce programs and certificates, with some programs offered on all campuses. The following guide highlights the general programs offered on each campus. Please refer to each occupational cluster in this publication for comprehensive listings of specific degree programs and accompanying certificates.

**BRANDON CAMPUS**

10414 E. Columbus Drive
Tampa, FL 33619

- Aquaculture
- Biotechnology
- Business
- Engineering Technology
- Information Technology

**DALE MABRY CAMPUS**

4001 W. Tampa Bay Blvd.
Tampa, FL 33614

- Apprenticeship Programs
- Architectural Design and Construction
- Business
- Electronics Engineering Technology
- Health Sciences
- Hospitality and Culinary Arts
- Information Technology
- Media Arts Technology (Digital Media/Multimedia Technology)

**JOIN OUR COMMUNITY.**

DR. GWENDOLYN W. STEPHENSON
DISTRICT ADMINISTRATION CENTER

39 Columbia Drive
Tampa, FL 33606
813.253.7000

HCC @ MACDILL EDUCATION CENTER

8102 Condor Street
MacDill AFB, FL 33621

BRANDON

DALE MABRY
PLANT CITY CAMPUS
1206 N. Park Road
Plant City, FL 33563

- Advanced Water Treatment
- Apprenticeship Programs
- Business
- Environmental Science Technology
- Information Technology
- Health Sciences (Emergency Medical Services and Nursing only)
- Veterinary Technology

SOUTHSHORE CAMPUS
551 24th Street NE
Ruskin, FL 33570

- Business
- Health Sciences (Emergency Medical Services and Nursing only)
- Information Technology

YBOR CITY CAMPUS
2112 N. 15th Street
Tampa, FL 33605

- Business
- Early Childhood Education
- Industrial Management
- Media Arts Technology (Digital Television & Media Production)
- Medical Billing and Coding
- Office Administration
- Public Service (Bail Bonding, Correctional Officer, Criminal Justice Technology, Fire Science Technology, Law Enforcement, Paralegal/Legal Assisting)
- Transportation (Auto Collision Repair and Refinishing, Automotive Service Technology, Welding Technology)
Take a closer look
at HCC’s exciting
A.S. degree and
certificate programs.

hccfl.edu/getagreatjob