Tom P. Haney Technical College

HANEY TECHNICAL COLLEGE

2025-2026 Program Catalog

(850) 767-5500 | haney.edu

Tom P. Haney Technical College
Career and Adult Education

3016 Highway 77 North
Panama City, Florida 32405
(850) 767-5500 | (850) 747-5555 fax
Haney.edu

District Administration

Mark McQueen, Superintendent
Jerry Register, District 1
Ann Leonard, District 2
Chris Moore, District 3
Winston Chester, District 4
Steve Moss, District 5

Haney Administration

Angela Reese, Director
Coy Pilson, Assistant Director
Rick Tutunick, Assistant Administrator
Brittany Hendley, Student & Financial Aid Administrator

EEO Non-Discrimination Statement

No person shall on the basis of race, ethnicity, color, religion, sex, gender, gender identity, sexual orientation, national origin, disability, age, genetic information, pregnancy, or marital status, be excluded from participation in, be denied the benefits of, or be subjected to harassment or discrimination under, any educational program or activity or work environment. This practice shall apply equally to students, employees, applicants for employment and all persons having business with the School Board. The District also provides equal access to its facilities to the Boy Scouts and other patriotic youth groups, as required by the Boy Scouts of America Equal Access Act.

The following person has been designated to handle inquiries regarding non-discrimination policies:
Holly Buchanan, Executive Director of Human Resources
850-767-4100
buchahd@bay.k12.fl.us

Accreditation

The Commission of the Council on Occupational Education (COE), 7840 Roswell Road, Bldg. 300, Suite 325, Atlanta, GA 30350 (www.council.org) accredits Tom P. Haney Technical College (Haney Technical College). COE may be contacted at www.council.org or by calling toll free (800) 917-2081.

Cognia, Alpharetta, Georgia 30009, 888.413.3669. Cognia may be contacted by calling toll free (888) 413-3669 or cognia.org.

In addition, a number of programs have been approved, certified and/or recognize by the military, sponsoring agencies and professional organizations. All programs offered at Tom P. Haney Technical College are part of Bay District Schools, approved by the Florida Department of Education, the Division of Career and Adult Education, the U. S. Department of Education, and many are approved by the Bureau of State Approving for Veterans' Training-Division of Veterans' Benefits and Assistance Florida Department of Veterans' Affairs.

School Advisory Council

A School Advisory Council assists Haney Technical College in assessing the quality of the campus education program. The Council advises, makes general recommendations to the operation of the campus, reviews the school's beliefs, mission statement, and vision, and helps in planning and meeting the goals of the School Improvement Plan. The Council consists of local business leaders,

Occupational Advisory Committee

Each Career and Technical Education program has an Occupational Advisory Committee consisting of program leaders and employers with a minimum of five members. Each Program Advisory Committee meets at least twice annually to review the program mission statement and curriculum to make suggestions and recommendations to improve the program as it pertains to current employment needs within the industry.

Beliefs

- All students are unique and can learn
- Clearly-defined expectations and a variety of instructional techniques must be provided for student achievement
- Students are provided with a variety of assessments and with opportunities to demonstrate achievement, to become life-long learners, and to become productive members of society
- Staff, parents, students, and community members should participate in and support a positive learning environment
- Continuous reflection and ongoing professional development for staff is essential to provide effective, relevant training to prepare students for today's changing global workplace

Mission Statement

Our mission is to provide educational opportunities for all students and the training necessary to meet the needs and standards of today's changing global workplace.

Vision

Haney Technical College is a valuable educational leader to our community to prepare students to meet their diverse needs throughout our society.

Welcome from the Director

Welcome to Tom P. Haney Technical College. The faculty and staff at Haney are committed to providing a student-centered learning environment. For over 40 years, Haney has offered educational opportunities that prepare students for rewarding careers in Bay County and the surrounding region.

Our highly-qualified staff not only offer rigorous, engaging courses, but also provides authentic hands-on real-world experiences. Haney Technical students leave with the necessary career skills to be successful in the constantly-evolving workplace.

I invite you to tour our campus and see how Haney Technical College can assist you in reaching your career goals. Our Student Services office is available to help you with any questions and we look forward to your visit.

Your Career Starts Here!

Sincerely,

Angela Reese

Angela Reese
Director
Tom P. Haney Technical College

Contents

PROGRAM OFFERINGS

ADULT GENERAL EDUCATION

Adult General Education includes a range of self-paced programs that help adults get the basic skills they need to be productive employees and citizens. The major programs include Adult Basic Education, GED® Preparation, and English for Speakers of Other Languages (ESOL).

Adult education programs are available to individuals that:

- Are 16 years or older
- Are not enrolled or required to be enrolled in secondary school
- Do not have a high school diploma or its equivalent
- Want to learn to speak, read, and write in the English language (ESOL program)

Program Name	Program Number
Adult Basic Education (ABE)	9900000
Adult English for Speakers of Other Languages (ESOL)	9900040
General Educational Development (GED®) comprehensive	9900135

Enrollment
These programs are open for enrollment at the beginning of each term (fall, spring, summer). Instruction is based on the student placement in the corresponding subject area test of the Basic Skills Exam.

Adult Basic Education (Literacy) – Program 990000

Adult Basic Education (ABE) includes courses designed to improve the employability of Florida's workforce through instruction in language, mathematics, and reading at grade level equivalency 0.0-8.9. ABE involves non-credit courses designed to develop basic skills necessary for successful employment and citizenship.

The ABE program prepares students to enroll in the General Educational Development (GED®) Preparation program or to gain the knowledge and skills to succeed in postsecondary education. Literacy Completion Points (LCPs) are awarded when a student demonstrates mastery as measured by post-testing using the Basic Skills Exam results.

Course Name	Course Number
Mathematics	9900001
Reasoning through Language Arts	9900023

9900001 Mathematics level one instruction begins with basic literacy skills, including counting, cardinality, number sense, and base-ten operations which begins building a basic foundation for algebra and reasoning geometric shapes Levels two through four emphasizes number sense and operations, with attention on fluency with rational numbers, and a foundation for understanding irrational numbers, including calculation with square and cube roots and solving simple quadratic equations. In the area of algebra and functions, students solve linear equations, formulate and reason about expressions, equations, and inequalities, and use functions to describe quantitative relationships.

Students apply ratios, rates, and proportional reasoning and create a bridge between rational number operations and algebraic relationships.

9900023 Reasoning through Language Arts is new for 2022-2023 and is designed to develop the literacy and math and includes content standards that describe what students should know and be able to do in Mathematics and Reasoning through Language Arts (RLA).

Adult English for Speakers of Other Languages (ESOL) – Program/Course 9900040

The ESOL program provides English language instruction to adult learners who are able to read and write in at least one language other than English. This program helps prepare adult learners to use English for entering career and technical and/or post-secondary education, employment, and participation in the civil life in the United States.

General Educational Development (GED®) Preparation – Program 9900130

The General Educational Development (GED®) program is characterized by individualized instructional modules, flexible schedules, and performance-based evaluation. The purpose of this program is to prepare students to obtain the knowledge and skills necessary to pass the Official GED® Tests and be awarded a State of Florida High School Diploma and be better prepared for postsecondary education.

9900135 GED® Comprehensive course covers four timed subject areas to prepare students for the GED® content-area assessments: Reasoning through Language Arts, Mathematics Reasoning, Social Studies, and Science.

Reasoning through Language Arts reviews texts from both academic and workplace contexts which reflect a range of complexity levels in terms of ideas, syntax, and style. Students will analyze given source texts and use evidence drawn from the text(s) to support their answers.

Mathematical Reasoning focuses on the fundamentals of mathematics in quantitative problem solving and algebraic problem solving. Students will achieve a deeper conceptual understanding, procedural skill and fluency, and the ability to apply these fundamentals in realistic situations.

Social Studies focuses on the fundamentals of social studies reasoning, striking a balance of deeper conceptual understanding, procedural skill and fluency, and the ability to apply these fundamentals in realistic situations. Four major content domains will be addressed: civics and government, United States history, economics, and geography and the world.

Science includes major content domains of life science, physical science and Earth, and space science. Students will perform textual analysis, data representation and inference, as well as problem solving with science content. Students will review and solve scenarios presented using a single stimulus (textual, graphic, or a combination of both), or discrete situations.

CAREER AND TECHNICAL EDUCATION

General Information

Career and Technical Education (CTE) is designed to meet the needs of students, business and industry, school districts, colleges, community-based organizations, and more – including the public and private sectors throughout the state of Florida to improve Florida's workforce.

The CTE programs offered at Haney Technical College include the clusters of business and information technology, health, human services, manufacturing, and transportation. Programs vary in length, as measured by clock hours, from 600 hours to 1800 hours. Each regular school year is approximately 900 clock hours. A student enrolled full-time should complete approximately 900-1,100 clock hours in a school year.

Some CTE programs prepare students for state and/or national license examinations. These programs have specific start and end dates, with additional safety, dress code, attendance, and age requirements. Programs that prepare students for license examinations are indicated.

Structure

Programs consist of courses, with each course measured in clock hours. Programs are structured in a planned sequence of instruction leading to one or more occupational completion points (OCPs).

Enrollment for Adult Career and Technical Education

The post-secondary adult Career and Technical Education programs are designed for adult students. Most programs begin mid-August, October, and mid-January; however, some programs that lead to the eligibility to take an exam leading to state or national licensure have specific start and end dates (Aviation Airframe Mechanics, Aviation Powerplant Mechanics, Cosmetology, Massage Therapy, and Practical Nursing). Contact Student Services and/or check the Haney web site for more information: haney.edu.

Work-Based Activities

Some programs incorporate structured learning activities that are conducted in supervised work settings external to the institution or in a setting that involves the public (for example: clients who are served by the institution in cosmetology clinical or automotive technology settings) that are components of educational programs (e.g., externships, internships, clinical experiences, industrial cooperative education, and similar activities). These activities must be planned with at least two objectives: 1) To provide students with the opportunity to develop and apply a 'real-world' work experience using the knowledge and skills they attained in their program of study; and, 2) To provide the institution with objective input from potential employers or customers of program graduates

Basic Skills

To fully complete a CTE program, students must meet, or show exemption from meeting, the program's Basic Skills requirement, per §1008.30 Florida Statutes.

In programs offered for 450 hours or more, in accordance with Rule 6A-10.040, F.A.C., the minimum basic skills grade levels required for postsecondary adult career and technical students to complete each program are given in each subject area: Mathematics and Reading. These grade level numbers correspond to a grade equivalent score obtained on the Basic Skills Exam. Other tests and cut scores that are eligible may be found listed in Rule 6A-10.0315 and may include Florida Postsecondary Education Readiness Test (PERT), SAT, ACT, and ACCUPLACER.

Adult students with disabilities, as defined in Section 1004.02(6), Florida Statutes, may be exempted from meeting the Basic Skills requirements (Rule 6A-10.040). Students served in exceptional student education (except gifted) as defined in s. 1004.91(3)(a), F.S., may also be exempted from meeting the Basic Skills requirement.

Students who possess a college degree at the Associate of Applied Science level or higher; who have completed or are exempt from the college entry-level examination; or a student who is serving as an active-duty member of any branch of the United States Armed Services shall not be required to take the common placement test, or who have passed a state, national, or industry licensure exam pertinent to the program of study are exempt from meeting the Basic Skills requirement (Rule 6A-10.040, F.A.C.)

Career And Technical Education Programs Chart

Program Name	Program Number	Program Hours	Basic Skills Level	
			Computation	Communications
Automotive Collision Technology Technician	T401300	1400	9	9
Aviation Airframe Mechanics	T640300	1350	10	9
Aviation Powerplant Mechanics	T640400	900	10	9
Avionics Systems Technician	T400310	1200	10	10
Central Sterile Processing Technology	H170222	650	9	9
Computer Systems & Information Technology	Y100200	900	9	9
Cosmetology	D500100	1200	8	8
Electrician	I460314	1500	9	9
Enterprise Network and Server Support Technology	Y300500	750	10	10
Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) 1	C400410	750	10	9
Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) 2	C400420	600	10	9
Marine Service Technologies	T400210	1350	9	9
Master Automotive Service Technology 1	T400700	1050	10	9
Master Automotive Service Technology 2	T400800	750	10	9
Medical Administrative Specialist	B070300	1050	10	10
Patient Care Technician	H170690	600	10	10
Practical Nursing	H170607	1350	11	11
Welding Technology	J400400	1050	9	9
Welding Technology – Advanced	J400410	750	9	9

CAREER AND TECHNICAL EDUCATION PROGRAMS

Automotive Collision Technology Technician

Length: 1400 hours / 56 weeks
Enrollment: Every 18 weeks
Program Number: T401300
Enrollment Periods: 4: 450 hours, 450 hours, 250 hours, 250 hours

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Automotive Collision industry.

The content includes, but is not limited, to basic trade skills; refinishing skills, sheet metal repair skills, frame and uni-body squaring and aligning; use of fillers; paint systems and undercoats; related welding skills; related mechanical skills; trim-hardware maintenance; glass servicing; and other miscellaneous repairs This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the automotive industry; planning, management, finance, technical and product skills, underlying principles of technology, labor issues, and health, safety and environmental issues.

Basic Skill Level Requirements: Computation 9, Communications 9.

Automotive Collision Technology Technician program **T401300** structure:

Course Number	Course Title	Course Length	OCP	Credits
ARR0140	**Automotive Collision Repair and Refinishing Helper/Assistant**	**150 hours**	**A**	**1**
In this course students apply required shop and personal safety tasks relating to the automotive collision industry; prepare vehicle for routine pre/post maintenance and customer services; inspect various automotive equipment; and check operation and status of instrument panel warning lights and gauges.				
ARR0141	**Automotive Collision Refinishing Technician**	**450 hours**	**B**	**3**
This course includes safety precaution application; surface preparation; spray gun and related equipment operation; paint mixing, matching and applying paint defects (causes and cures); and final detailing.				
ARR0312	**Non-Structural Damage Repair Technician**	**300 hours**	**C**	**2**
Course standards include: explain and apply safety precautions; preparation; outer body panel repairs, replacements, and adjustments; metal finishing and body filling; movable glass and hardware; plastics and adhesives; electrical; and brakes.				
ARR0022	**Damage Analysis and Estimating**	**75 hours**	**D**	**.5**
Explain and apply safety precautions; damage analysis; estimating; vehicle construction and parts identification; and customer relations and sales skills.				
ARR0112	**Automotive Collision Welding, Cutting and Joining**	**75 hours**	**E**	**.5**
Students will be able to explain and apply safety precautions; metal welding, cutting, and joining.				
ARR0295	**Structural Damage Repair Technician**	**350 hours**	**F**	**2.5**
Standards for this course include: explain and apply safety precautions; frame inspection and repair; uni-body and utilized structure inspection, measurement, repair, fixed glass; steering and suspension; heating and air conditioning; cooling systems; drive train; fuel, intake, and exhaust systems; and restraint systems.				

Aviation Airframe Mechanics

Length: 1350 hours / 51 weeks
Enrollment: Every 18 weeks
Program Number: T640300
Enrollment Periods: 3: 450 hours, 450 hours, 450 hours
License Preparation Program

The purpose of this program is to prepare students for employment or advanced training in the commercial and general aviation industry. Instruction is designed to prepare students for Federal Aviation Administration (FAA) license examinations for Airframe ratings. Federal Aviation Regulation (FAR) Part 147 identifies minimum requirements for AMT schools. This program prepares students for employment as an Aviation Maintenance General Technician, and an Aviation Maintenance Airframe Technician.

This program requires students to wear a specific uniform while attending class.

Basic Skill Level Requirements: Computation 10, Communications 9.

Aviation Airframe Mechanics program **T640300** structure:

Course Number	Course Title	Course Length	OCP	Credits
AMT0705	**Aviation Maintenance General Technician**	**450 hours**	**A**	**3**
This course includes: basic aircraft drawing skills; aircraft weight and balance; use mathematics to extract roots and raise to a given power, determine areas and volumes, solve ratio, proportion and percentage problems, perform algebraic operations; maintain forms and records; apply principles of basic physics; maintain aircraft fluid lines and fittings.				
AMT0765	**Aviation Maintenance Airframe Technician 1**	**450 hours**	**B**	**3**
This course is designed to build on the skills and knowledge learned in the Aviation Maintenance General Technician course. Students explore career opportunities and requirements of a professional aviation mechanic; study wood structures; aircraft covering, finishes, metallic, and non-metallic surfaces, basic welding, assembly, rigging, airframe inspection, landing gear, hydraulic and pneumatic systems, atmosphere control, aircraft instruments, communication, and navigation systems.				
AMT0766	**Aviation Maintenance Airframe Technician 2**	**450 hours**		**3**
The Aviation Maintenance Airframe Technician 2 course is designed to build on the skills and knowledge students learned in the Aviation Maintenance Airframe Technician 1 course. Students explore career opportunities and requirements of a professional aviation mechanic. Students study aircraft fuel, electrical, position, warning, ice and rain control, fire-protection, FAA Airframe licensing requirements, employability skills, and entrepreneurship.				

Aviation Maintenance General – Course AMT0705 Aviation Maintenance General Technician) is a core course for both Aviation Airframe Mechanics and Aviation Powerplant Mechanics. Once this course has been successfully completed for one program, it does not need to be repeated.

Industry Certification: Upon successful completion of the program, students are eligible and scheduled to take the FAA Airframe Mechanic license exam.

Aviation Powerplant Mechanics

Length: 900 hours / 34 weeks
Enrollment: Every 18 weeks
Program Number: T640400
Enrollment Periods: 2: 450 hours, 450 hours
License Preparation Program

The purpose of this program is to prepare students for employment or advanced training in the commercial and general aviation industry. Instruction is designed to prepare students for Federal Aviation Administration (FAA) license examinations for Airframe ratings. Federal Aviation Regulation (FAR) Part 147 identifies minimum requirements for AMT schools. This program prepares students for employment as an Aviation Maintenance General Technician, and an Aviation Maintenance Powerplant Technician in a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the Aviation Powerplant Mechanics industry.

Basic Skill Level Requirements: Computation 10, Communications 9.

Aviation Powerplant Mechanics program **T640400** structure:

Course Number	Course Title	Course Length	OCP	Credits
AMT0705	**Aviation Maintenance General Technician**	**450 hours**	**A**	**3**
This course prepares students for entry into the aviation industry. Students explore career opportunities and requirements of a professional aviation mechanic. Students study basic electricity, aircraft drawing, weight, balance, fluid lines, fittings, materials, processes, operations, services, cleaning, corrosion-control, math, forms, records, basic physics, maintenance publications, communication, and employability skills.				
AMT0775	**Aviation Maintenance Powerplant Technician 1**	**125 hours**	**B**	**1**
This course is designed to build on the skills and knowledge students learned in the Aviation Maintenance General Technician course. Students explore career opportunities and requirements of a professional aviation mechanic. Students study reciprocating engines, turbine engines, inspection, instruments, fire-protection, electrical, lubrication, ignition, and starting systems.				
AMT0776	**Aviation Maintenance Powerplant Technician 2**	**325 hours**		2
This course is designed to build on the skills and knowledge students learned in the Aviation Maintenance Powerplant Technician 1 course. Students explore career opportunities and requirements of a professional aviation mechanic. Students study fuel, metering, induction, airflow, cooling, exhaust, reverser, propellers, inductors, auxiliary power units, FAA Powerplant Rating licensing, employability skills, and entrepreneurship.				

Avionics Systems Technician

Length: 1200 hours / 46 weeks
Enrollment: Every 18 weeks
Program Number: T400310
Enrollment Periods: 3: 450 hours, 450 hours, 300 hours
License Preparation Program

The purpose of this program is to prepare students for troubleshooting, repair and installation of airborne radio communications, radio navigation and radar equipment systems in accordance with regulatory and industry standards. Also included is instruction in basics of AM and FM transmitters and receivers and avionics equipment. Skills preparation for passing licensing/certification tests required by industry forms an integral part of the curriculum.

Basic Skill Level Requirements: Computation 10, Communications 10.

Avionics Systems Technician program **T400310** structure:

Course Number	Course Title	Course Length	OCP
AVS0680	**Basic Electronics Wiring Installer/Technician**	**150 hours**	**A**
This course introduces students to the fundamentals of aviation maintenance, technical communication skills, basic aircraft wiring, PCB practices, basic and advanced DC circuits and power systems. It emphasizes troubleshooting techniques and it brings elements that help to develop fine motor skills. This course defines techniques, requirements and expectations for those seeking to enter the job market as employees or small business owners.			
AVS0681	**Electrical Systems Technician**	**150 hours**	**B**
Students in the Electrical Systems Technician course will learn basic and advanced AC circuitry, components, aircraft AC power systems, and aircraft drawings.			
AVS0682	**Analog Circuits Technician**	**150 hours**	**C**
Students in the Analog Circuits Technician course will learn solid state devices, analog circuits, basic avionics corrosion, aircraft aerodynamics, foundations of Unmanned Aerial Systems, and Unmanned Aerial Systems operations.			
AVS0683	**Aircraft Electronics Technician**	**150 hours**	**D**
Students in the Aircraft Electronics Technician course will learn digital circuitry, microprocessors, workplace safety skills, communication skills, employability skills, entrepreneurship, and the basics of avionic systems.			
AVS0684	**Avionics Installer/Technician**	**300 hours**	**E**
Students in the Avionics Installer/Technician course will learn avionic systems installation, structural applications, radio station regulation, AM and FM transmitter/receiver/transceiver principles, electromagnetic wave emission, and airborne communication systems.			
AVS0685	**Advanced Avionics Installer/Technician**	**300 hours**	**F**
Students in the Advanced Avionics Installer/Technician course will learn aircraft instrument systems, data bus systems, navigation systems, primary and secondary radar systems, in-flight entertainment systems, engine and airframe monitoring systems, pitot-static systems, and aircraft safety systems.			

Central Sterile Processing Technology

Length: 650 hours / 20 weeks
Enrollment: Every 18 weeks
Program Number: H170222
Enrollment Periods: 2: 325 hours, 325 hours
License Preparation Program

This program is designed to prepare students for employment as supervisors, central supply, central supply workers, ambulatory surgery processors, surgical instrument processors, gastrointestinal (GI) flexible endoscope reprocessors, case cart technicians, inventory technicians, processing technicians, stock clerks: stock room or warehouse, sterilizers, central service technicians (medical equipment preparers).

The content includes but is not limited to central services departmental organization and function; basic anatomy, physiology, microbiology and chemistry related to central service activities; quality assurance; infection control and isolation techniques, principles of safety; principles, methods and controls of sterilization processes; cleaning, processing, packaging, distributing, storing, and inventory control of sterile goods, instruments, trays, and equipment; medical terminology; surgical instrumentation; basic computer skills, interpersonal and job seeking skills, fundamentals of communication, case cart management, laparoscopic specialty, orthopedic specialty, flexible scope processing, shift supervisory skills and procurement of supplies and equipment.

Basic Skill Level Requirements: Computation 9, Communications 9.

Central Sterile Processing Technology program **H170222** structure:

Course Number	Course Title	Course Length	OCP	Credits
HSC0003	**Basic Healthcare Worker**	**90 hours**	**A**	
This course is the beginning course for this program. It includes: identifying basic components of the healthcare delivery system, common methods of payment for healthcare services, describing various types of healthcare providers and the range of services available, and identifying general roles and responsibilities of a healthcare team.				
STS0019	**Central Sterile Service Materials Management**	**150 hours**	**B**	
This course is designed to enable students to describe supply distribution systems and the principles of inventory control, including: advantages and disadvantages of each distribution method, stock rotation processes, product evaluation, and tracking the usage of medical/surgical supplies, patient care equipment and specialty carts.				
STS0013	**Central Sterile Processing Technician Practicum**	**410 hours**	**C**	
This course is designed to build on the previous two courses and enable students to use critical thinking skills, creativity, problem-solving, and innovation both independently and in teams. .				

Computer Systems & Information Technology

Length: 900 hours / 36 weeks
Enrollment: Every 18 weeks
Program Number: Y100200
Enrollment Periods: 2: 450 hours, 450 hours

The purpose of this program is to prepare students for employment or advanced training in a variety of occupations in the information technology industry. This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the information technology industry; technical and product skills, underlying principles of technology , planning, management, finance, labor issues, community issues and health, safety, and environmental issues.

The course content includes, but is not limited to, communication, leadership skills, human relations and employability skills; and safe, efficient work practices.

Basic Skill Level Requirements: Computation 9, Communications 9.

Computer Systems & Information Technology program **Y100200** structure:

Course Number	Course Title	Course Length	OCP	Credits
CTS0082	**Computer Systems Technician**	**300 hours**	**A**	**2**
This course covers computer hardware; troubleshooting, repair and maintenance; operating systems and software; networking; and security.				
CTS0083	**Computer Network Technician**	**150 hours**	**B**	**1**
Students will describe the operation of data networks; view connectivity between two end devices; configure a Layer 3 switch; configure a router; explain IPv6 address assignments are implemented; IP addressing; DNS and DHCP; FTP; File Sharing and SMB protocol.				
CTS0084	**Computer Networking Specialist**	**150 hours**	**C**	**1**
This course includes: switched network; compare a collision domain to a broadcast domain; troubleshoot inter-VLAN routing in a Layer 3 switched environment; and configure ACLs, DHCPv4, and NAT.				
CTS0069	**Computer Security Technician**	**300 hours**	**D**	**2**
In this course students demonstrate and understanding of cybersecurity; malicious code and appropriate actions to mitigate vulnerability and risk; differentiate access control modules; methods of authentication; remote access technologies; and Internet security concepts.				

Articulation: Upon successful completion of this program and CompTIA certifications (A+ Certification, Network+ Certification, and Security+ Certification), students enrolling in an Associate in Science Degree (AS) program may be awarded articulated credits:

- Gulf Coast College
  - Networking Services Technology – up to 12 credit hours

Cosmetology

Length: 1200 hours / 40 weeks
Enrollment: Every 18 weeks
Program Number: D500100
Enrollment Periods: 3: 450 hours, 450 hours, 300 hours
License Preparation Program

The purpose of the Cosmetology program is to prepare students for employment as a licensed hairdresser and cosmetologist or to provide supplemental instruction for persons previously or currently employed in the occupation. Instruction is designed to prepare students for employment upon successfully passing the Florida Cosmetology License Examination or obtaining a registration from the Florida Board of Cosmetology.

Basic Skill Level Requirements: Computation 8, Communications 8.

Cosmetology program **D500100** structure:

Course Number	Course Title	Course Length	OCP
CSP0009	**Grooming and Salon Services Core, Facials and Nails**	**225 hours**	
	Students identify career opportunities; recognize importance of health, safety, and environmental management systems; employ safe, sanitary, and efficient work practices; perform manicures, pedicures, apply artificial nails/nail wraps using the proper procedure and application of chemicals; perform facials, hair removal. State requirements include at least 20 nail procedures and at least 10 facial procedures.		
COS0002	**Cosmetologist and Hairdresser 1**	**300 hours**	
	This course covers shampoo, hair conditioners, and scalp treatments; evaluation of hair needs; diseases and disorders; chemical compositions and reactions of shampoos, conditioners, and rinses; electrical current, transfer of energy; hair shaping (cutting) using scissors, razors, clippers, and texturizing implements.		**A**
COS0003	**Cosmetologist and Hairdresser 2**	**300 hours**	
	Students perform hairstyles, analyze shapes and dimension; identify and prepare hair pieces, wigs, and hair attachments; communicate an understanding of factors that influence the determination of strategies necessary to meet individual client needs.		
COS0009	**Cosmetologist and Hairdresser 3**	**375 hours**	
	Identify and perform permanent waving, reconstructed curl and chemical relaxing; apply temporary, semi-permanent, permanent color, lightener, and specialty color techniques; effects of chemicals on the hair shaft and skin; identify, measure, and predict chemical reactions.		

Cosmetology program **8905100** structure for secondary (high school) students only:

Course Number	Course Title	Credits	OCP
8757210	Grooming and Salon Services Core, Facials and Nails	.5	
8905120	Cosmetology Nails 2	.5	
8905130	Cosmetology Facials 3	.5	
8905140	Cosmetology 4	1	
8905150	Cosmetology 5	1	A
8905160	Cosmetology 6	1	
8905170	Cosmetology 7	1	
8905180	Cosmetology 8	1	
8905190	Cosmetology 9	1.5	

Electrician

Photo courtesy Andrew Wardlow, News Herald Chief Photographer

Length: 1500 hours / 60 weeks
Enrollment: Every 18 weeks
Program Number: I460314
Enrollment Periods: 4: 450 hours, 450 hours, 300 hours, 300 hours

Basic Skill Level Requirements: Computation 9, Communications 9.

Electrician program **I460314** structure:

Course Number	Course Title	Course Length	OCP	Credits
BCV0603	**Electrician Helper**	**300 hours**	**A**	**2**
Included in this course: health, safety, environmental stewardship, and related regulatory compliance; identify, use, and maintain tools and accessories; and interpret basic electric codes.				
BCV0640	**Residential Electrician**	**450 hours**	**B**	**3**
Students will calculate wiring costs, describe alternating current (AC) circuits; and install residential wiring, including drawing a residential wiring plan, identify wiring requirements and specifications, examine licensing, certification, and industry credentialing requirements, analyze and install polyphase circuit, and troubleshoot residential electric circuits.				
BCV0652	**Commercial Electrician**	**450 hours**	**C**	**3**
This course covers commercial wiring installation, including interpretation of a wiring plan and specifications; complying with appropriate electrical codes.				
BCV0667	**Industrial Electrician**	**300 hours**	**D**	**2**
In this course students draw an industrial one-line power diagram, test insulation resistance using a megohmmeter, install a motor branch circuit, use the National Electrical Code for calculations; install and connect Alternating Current and Direct Current motors; and demonstrate competency in electrical and electronic control circuits.				

Enterprise Network and Server Support Technology

Length: 750 hours / 30 weeks
Enrollment: Every 18 weeks
Program Number: Y300500
Enrollment Periods: 2: 375 hours, 375 hours

Basic Skill Level Requirements:
Computation 10, Communications 10

The purpose of this program is to prepare students for employment or advanced training in a variety of occupations in the Information Technology industry.

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the Information Technology industry; technical and product skills, underlying principles of technology, planning, management, finance, labor issues, community issues and health, safety, and environmental issues.

The content includes but is not limited to communication, leadership skills, human relations and employability skills; and safe, efficient work practices.

Enterprise Network and Server Support Technology program **Y300500** structure:

Course Number	Course Title	Course Length	OCP	Credits
CTA0099	**Advanced Networking Fundamentals**	**150 hours**	**A**	
Students will identify networks and components, describe the role of an Information Technology Security Specialist, and a Cisco Engineer, demonstrate an understanding for Cloud services, and explore career options.				
CTS0066	**Information Technology Security Specialist OR**	**600 hours**	**B**	
CTS0094	**Interconnecting Cisco Network Devices OR**	**600 hours**		
CTS0048	**Microsoft Certified Systems Administrator**	**600 hours**		
The second course in this program will continue with networking and information technology to prepare students for enterprise networking and server support technology.				

Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) 1

Length: 750 hours / 30 weeks
Enrollment: Every 18 weeks
Program Number: C400410
Enrollment Periods: 2; 375 hours, 375 hours

The purpose of this program is to prepare students for employment or advanced training in the heating, air-conditioning, and refrigeration and ventilation industry.

Basic Skill Level Requirements: Computation 10, Communications 9.

Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) 1 program **C400410** structure:

Course Number	Course Title	Course Length	OCP	Credits
ACR0000	**Introduction to HVAC/R**	**250 hours**	**A**	**1.5**
This course highlights the importance of health, safety, and environmental management systems in organizations. Students identify, use, and maintain the tools and accessories in the industry, as well as demonstrate a practical knowledge of basic electricity and electrical components used in heating, air-conditioning, and refrigeration systems. Students maintain, test, and troubleshoot various heating, air-conditioning, and refrigeration systems.				
ACR0001	**HVAC/R Fundamentals**	**250 hours**	**B**	**1.5**
Items covered include: knowledge of electrical wiring in air-conditioning and refrigeration, troubleshooting HVAC systems, testing electrical components for commercial HVAC systems, and analyze fluids, pressures, refrigerants, and related codes.				
ACR0012	**HVAC/R Service Practices**	**250 hours**	**C**	**1.5 1.5**
Students utilize mechanical components of HVAC/R systems, operate solid-state electronics and mechanical refrigeration and testing equipment.				

Industry Certification: Students are given the opportunity to take Heating, Ventilation, and Air Conditioning (HVAC) exams:

- National Center for Construction Education & Research (NCCER) in HVAC

Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) 2

Length: 600 hours / 24 weeks
Enrollment: Every 18 weeks
Program Number: C400420
Enrollment Periods: 2; 300 hours, 300 hours

The purpose of this program is to prepare students for employment or advanced training in the heating, air-conditioning, and refrigeration and ventilation industry.

Basic Skill Level Requirements: Computation 10, Communications 9.

Heating, Ventilation, Air-Conditioning/Refrigeration (HVAC/R) 1 program **C400410** structure:

Course Number	Course Title	Course Length	OCP	Credits
ACR0013	**HVAC/R Intermediate Service Practices**	**250 hours**	**A**	**1.5**
Students select appropriate commercial compressors; test, adjust, and maintain commercial evaporative condensers.				
ACR0044	**Air-Conditioning, Refrigeration and Heating Technician**	**350 hours**	**D**	**2**
This course covers the properties of air; using a pressure enthalpy chart to diagram refrigerant cycles; standards for and ways to measure indoor air quality; understanding chilled systems; read construction documents; interpret, use and modify construction drawings and specifications; and design heating and cooling systems.				

Industry Certification: Students are given the opportunity to take Heating, Ventilation, and Air Conditioning (HVAC) exams:

- National Center for Construction Education & Research (NCCER) in HVAC

Marine Service Technologies

Length: 1350 hours / 54 weeks
Enrollment: Every 18 weeks
Program Number: T400210
Enrollment Periods: 3: 450 hours, 450 hours, 450 hours

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the marine service industry.

The content includes but is not limited to the following: service, repair and over-haul of four-stroke and two-stroke cycle engines and outboard motors; and service and repair of boating accessories. With regard to the above, course content will include electrical systems, fuel systems, power transfer systems, ignition systems, cooling systems, lubrication systems, drive systems and boat and trailer rigging.

Basic Skill Level Requirements: Computation 9, Communications 9.

Marine Service Technologies program **T400210** structure:

Course Number	Course Title	Course Length	OCP	Credits
MTE0003	**Marine Rigger**	**300 hours**	**A**	**2**
Students will learn entry-level skills for the outboard marine service industry. Hands-on training combined with laboratory and classroom experiences gives the student a full understanding of workplace safety and organization, trailer service, various boat materials, 2-stroke cycle outboard engines, fuel systems on boats, marine electrical systems, procedures for preparing boats to customers, capacitor discharge ignition systems, outboard engine fuel systems, and proper use of computer systems related to parts specialization.				
MTE0090	**Outboard Engine Technician**	**300 hours**	**B**	**2**
Students will learn entry-level skills for the outboard marine service industry. Hands-on training combined with laboratory and classroom experiences gives the student a full understanding of outboard 4-stroke cycle engines, charging systems, battery ignition systems, cranking systems, lubrication systems, cooling systems, lower gear cases, lower units and housing assemblies, employability, and entrepreneurship.				
MTE0074	**Outboard Engine Diagnostics Technician**	**150 hours**	**C**	**1**
Students will learn entry-level skills for the outboard marine service industry. Hands-on training combined with laboratory and classroom experiences gives the student a full understanding of basic computer skills, computer-based diagnostic equipment, electrical, control box, and gauges.				
MTE0092	**Inboard Gas Engine Technician**	**300 hours**	**D**	**2**
Students will learn skills for the inboard marine service industry. Hands-on training combined with laboratory and classroom experiences gives the student an understanding of basic four-stroke cycle engines, fuel systems, cooling systems, lubrication systems, ignition systems, and capacitor discharge ignition systems.				
MTE0093	**Drive Train Technician**	**150 hours**	**E**	**1**
Students will learn entry-level skills for the outboard marine service industry. Hands-on training combined with laboratory and classroom experiences gives the student a full understanding of stern drive upper and lower cases, intermediate housings, and inboard gas transmissions.				
MTE0056	**Inboard Diesel Technician**	**150 hours**	**F**	**1**
Students will learn entry-level skills for the diesel marine service industry. Hands-on training combined with laboratory and classroom experiences gives the student a full understanding of diesel fuel, cooling, lubrication, and charging systems.				

Master Automotive Service Technology 1

Length: 1050 hours / 42 weeks
Enrollment: Every 18 weeks
Program Number: T400700
Enrollment Periods: 3: 450 hours, 450 hours, 150 hours

Automotive Service Technology prepares students for employment and/or specialized training in the automotive industry. This program also provides supplemental training for persons previously or currently employed in the automotive industry.

Basic Skill Level Requirements: Computation 10, Communications 9.

Automotive Service Technology 1 program **T400700** structure:

Course Number	Course Title	Course Length	OCP	Credits
AER0014	**Automobile Services Assistor**	**300 hours**	**A**	**2**
This course includes: shop and personal safety tasks relating to the automotive industry; proper use and handling of tools and equipment; prepare a vehicle for routine pre/post maintenance and customer services.				
AER0418	**Automotive Brake System Technician**	**150 hours**	**B**	**1**
Explanation and application of the diagnosis, service, and repair of drum/disc brake, hydraulics, power assist units, electronic brakes, traction control, stability control systems. And miscellaneous (wheel bearings, parking brake, electrical, and etc.)				
AER0453	**Automobile Suspension and Steering Technician**	**150 hours**	**C**	**1**
This course covers the diagnosis, service, and repair of front and rear suspension systems, wheel alignment, and wheels and tires.				
AER0360	**Automotive Electrical/Electronic System Technician**	**300 hours**	**D**	**2**
Diagnose, service and repair of electrical/electronic system components, battery, starting, charging, lighting, gauges, warning devices, driver information, horn, wiper/washer and accessory systems				
AER0110	**Engine Repair Technician**	**150 hours**	**E**	**1**
Explain and apply the diagnosis, service, and repair of engines, cylinder heads, valve train, engine block, lubrication, and cooling systems.				

Industry Certification: At various points within the program, students may be eligible to take exams from the National Institute for Automotive Service Excellence.

Master Automotive Service Technology 2

Length: 750 hours / 30 weeks
Enrollment: Every 18 weeks
Program Number: T400800
Enrollment Periods: 2: 375 hours, 375 hours

Basic Skill Level Requirements: Computation 10, Communications 9.

Automotive Service Technology 2 program **T400800** structure:

Course Number	Course Title	Course Length	OCP	Credits
AER0503	**Automotive Engine Performance Technician**	**300 hours**	**A**	**2**
	Explain and apply the diagnosis, service, and repair of engines, ignition, fuel, air induction, exhaust, computer engine, and emission control systems.			
AER0257	**Automatic Transmission and Transaxle Technician**	**150 hours**	**B**	**1**
	Diagnose, service, repair, and overhaul automatic transmissions/transaxles.			
AER0274	**Manual Drivetrain and Axle Technician**	**150 hours**	**C**	**1**
	Explain the operation, assembly, diagnosis, service, and repair of manual drivetrains, clutches, transmissions/transaxles, drive and half-shaft universals, constant velocity joints, rear axle differential assembly, limited slip, four-wheel and all-wheel drive.			
AER0172	**Automotive Heating and Air Conditioning Technician**	**150 hours**	**D**	**1**
	This course covers the diagnosis, service, and repair of heating and air conditioning, refrigeration, compressors, compressor clutches, evaporators, receiver driers, accumulators, condensers, heating and engine cooling, related control systems, refrigerant recovery, and recycling and handling.			

Industry Certification: At various points within the program, students may be eligible to take exams from the National Institute for Automotive Service Excellence.

Medical Administrative Specialist

Length: 1050 hours / 35 weeks
Enrollment: Every 18 weeks
Program Number: B070300
Enrollment Periods: 2; 525 hours, 525 hours

This program offers a comprehensive foundation of knowledge and skills expanding the traditional role of the medical secretary. The content includes the use of technology to develop communication skills, higher level thinking skills and decision-making skills; medical terminology; the performance of office procedures specific to the medical environment; transcription of medical documents from machine dictation; the production of quality work in an efficient manner using advanced features of business software applications; research of job opportunities; and the production of high quality employment portfolios and job-seeking documents.

This program is a planned sequence of instruction consisting of Information Technology Assistant – OCP A) and three additional occupational completion points. Secondary or post-secondary students who have previously completed Business Technology Education Core will not have to repeat the core. A student who completes the applicable competencies at any occupational completion point may either continue with the training program or exit as an occupational completer.

Basic Skill Level Requirements: Computations: 10, Communications: 10.

Medical Administrative Specialist program **B070300** structure:

Course Number	Course Title	Course Length	OCP	Credits
OTA0040	**Information Technology Assistant ***	**150**	**A**	**1**
Students will learn entry-level skills for the medical administrative specialist industry. Hands-on training combined with laboratory and classroom experiences gives the student a full understanding operating systems, keyboarding, business communications, and computer applications with word processing, spreadsheet, and presentation software as it relates to the medical administrative industry.				
OTA0041	**Front Desk Specialist**	**300**	**B**	**2**
Students will learn entry-level skills for the medical administrative specialist industry. Hands-on training combined with laboratory and classroom experiences gives the student a full understanding of working in a medical office environment, including records management, and maximizing efficiency utilizing technology and word processing, spreadsheet, and presentation software.				
OTA0631	**Medical Office Technologist**	**300**	**C**	**2**
Students will learn entry-level skills for the medical office industry. Hands-on training combined with laboratory and classroom experiences gives the student a full understanding of medical document preparation, medical terminology, transcription, billing, collections, and scheduling, legal and ethical procedures, records management, HIPAA, and patient confidentiality. Typically students will spend time away from the classroom in an actual work-based opportunity.				
OTA0651	**Medical Administrative Specialist**	**300**	**D**	**2**
Students will learn entry-level skills for the medical administrative industry. Hands-on training combined with laboratory, classroom, and work-based experiences gives the student a full understanding medical terminology, insurance, medical transcription, business ethics, health safety, and legal responsibilities.				

** Note: OTA0040 is a core course.*

Industry Certification: Students have the ability to take the following:

- National Healthcare Association Certified Medical Administrative Assistant
- Microsoft Office Specialist (MOS) Bundle Certification (3 of 5)

Patient Care Technician

Length: 600 hours / 18 weeks
Enrollment: Every 18 weeks
Program Number: H170694
Enrollment Periods: 2: 300 hours, 300 hours

This program is designed to prepare students for employment as advanced cross trained nursing assistants (patient care technicians), (Health Technologists and Technicians), Health Care Technicians, Patient Care Assistants, Nursing Aides and Orderlies, Home Health Aides, or Allied Health Assistants. This program offers a broad foundation of knowledge and skills, expanding the traditional role of the nursing assistant, for both acute and long term care settings.

Basic Skill Level Requirements: Computation 10, Communications 10.

Patient Care Technician program **H170694** structure:

Course Number	Course Title	Course Length	OCP	Credits
HSC0003	**Basic Healthcare Worker**	**90 hours**	**A**	
This course is the beginning course for this program. It includes: identifying basic components of the healthcare delivery system, common methods of payment for healthcare services, describing various types of healthcare providers and the range of services available, and identifying general roles and responsibilities of a healthcare team.				
HCP0121	**Nurse Aide and Orderly (Articulated)**	**75 hours**	**B**	
This course includes verbal and written communications specific to nurse assisting. Students will demonstrate legal and ethical responsibilities specific to nurse assisting, perform physical comfort and safety functions, personal patient care, and understand the care for a variety of patient groups.				
HCP0332	**Advanced Home Health Aide**	**50 hours**	**C**	
After completing this module, the student will have achieved the occupational completion point of Advanced Home Health Aide (a home health aide who is also a nursing assistant). This program also meets the requirements of Home Health Aide as stated in Rules of the Department of Health and Rehabilitative services, Division of Health, Chapter 10D-68 - Minimum Standards for Home Health Agencies.				
HCP0020	**Patient Care Assistant**	**75 hours**	**D**	
Perform nursing assistant skills related to the hospital setting, and care for the adult patient.				
HSC0016	**Allied Health Assistant**	**150 hours**	**E**	
Students will perform skills representative of one to three areas of allied health care in the laboratory and clinical settings. Major areas of allied health are defined as physical therapy, emergency, radiation, laboratory and respiratory medicine, and occupational therapy. Other areas of health, medicine, dentistry, or veterinary may be included with instructor provided competencies.				
MEA0580	**Advanced Allied Health Assistant**	**100 hours**	**F**	
Students enrolled in this module have completed the Patient Care Assistant and Allied Health Assistant competencies and/or are adding these skills to be a more multi-skilled worker. Students will perform skills representative of one to three areas of allied health care in the laboratory and clinical settings. Major areas of allied health are defined as physical therapy, emergency, radiation, laboratory and respiratory medicine, and occupational therapy. Other areas of health, medicine, dentistry, or veterinary may be included with instructor provided competencies.				
PRN0094	**Patient Care Technician**	**60 hours**	**G**	
Students enrolled in this module MUST have completed ALL modules in this program. Upon completion they will be prepared as the cross trained unlicensed worker known as the Patient Care Technician				

Practical Nursing

Length: 1350 hours / 42 weeks
Enrollment: See counselor for start dates
Program Number: H170607
Enrollment Periods: 3; 450 hours, 450 hours, 450 hours
License Preparation Program

The purpose is designed to prepare students for employment as Licensed Practical Nurses, and to provide educational opportunities preparatory to entrance into the work world as beginning practitioners, performing the duties indicated and implied in their respective roles.

Content of the program includes theoretical and clinical experience in medical, surgical, obstetric, pediatric and geriatric nursing; acute and long-term care situations; personal, family and community health concepts; nutrition; human growth and development; body structure and function; mental health concepts; pharmacology; legal aspects of practice; and other related instructional areas as required by the Board of Nursing. Applicants must be at least 18 years of age.

Students interested in this program have additional requirements, including background checks and a selection process. For further information, checklist, and entry requirements please see the Practical Nursing program web page on Haney's web site at http://www.bayschools.com/htc.

Basic Skill Level Requirements: Computations: 11, Communications: 11 (both Level A).

Practical Nursing program **H170607** structure:

Course Number	Course Title	Length	OCP
PRN0098	**Practical Nursing Foundations 1**	**300 hours**	**A**
Students will learn entry-level skills for the practical nursing industry. Hands-on training combined with laboratory and classroom experiences give the student a full understanding of healthcare systems, safety, security, and emergency procedures, blood borne diseases, vital signs, and various patient populations.			
PRN0099	**Practical Nursing Foundations 2**	**300 hours**	**B**
Students will continue foundational skills for the practical nursing industry. Hands-on training combined with laboratory and classroom experiences give the student a full understanding of human growth and development, nursing procedures, medicine administration, bio-psycho-social support, providing education and resources for family wellness for various patient populations.			
PRN0290	**Medical Surgical Nursing 1**	**300 hours**	
Students will learn entry-level medical surgical skills for the practical nursing industry. Hands-on training combined with laboratory and classroom experiences give the student a full understanding of cardiovascular, respiratory, lymphatic, musculoskeletal, endocrine, and integumentary disease/disorders, pre-operative and postoperative with various patient populations.			
PRN0291	**Medical Surgical Nursing 2**	**300 hours**	
Students will continue medical surgical skills for the practical nursing industry. Hands-on training combined with laboratory and classroom experiences give the student a full understanding of gastrointestinal, neurological, urinary, reproductive, and oncologic disease/disorders with various patient populations.			

Course Number	Course Title	Length	OCP
PRN0690	**Comprehensive Nursing and Transitional Skills**	**150 hours**	
Students will learn entry-level comprehensive nursing skills ls for the practical nursing industry. Hands-on training combined with laboratory and classroom experiences give the student a full understanding of maternal/newborn patients, SIDS/SUIDs, nursing principles, and transitional skills with various patient populations.			

Articulation: Students may be considered for up to 17 credit hours at Gulf Coast State College.

Industry Certification: Upon successful completion of the program, students are eligible to take the Licensed Practical Nurse (LPN), National Council of State Boards of Nursing (NCSBN)

Welding Technology

Length: 1050 hours / 35 weeks
Enrollment: Every 18 weeks
Program Number: J400400
Enrollment Periods: 2; 525 hours, 525 hours

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, high-order reasoning and problem-solving skills, work attitudes, generally employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the welding industry.

Basic Skill Level Requirements: Computations: 9, Communications: 9

Welding Technology program **J400400** structure:

Course Number	Course Title	Course Length	OCP	Credits
PMT0070	**Welder Assistant 1**	**150 hours**		**1**
The Welder Assistant 1 course prepares students for entry into the welding industry. Students explore career opportunities and requirements of a professional welder. Content emphasizes beginning skills key to the success of working in the welding industry. Students study workplace safety and organization, basic manufacturing processes, metals identification, basic interpretation of welding symbols, and oxyfuel gas cutting practices.				
PMT0071	**Welder Assistant 2**	**150 hours**	**A**	**1**
The Welder Assistant 2 course is designed to build on the skills and knowledge students learned in Welder Assistant 1 for entry into the welding industry. Students explore career opportunities and requirements of a professional welder. Content emphasizes beginning skills key to the success of working in the welding industry. Students study drawings and welding symbols, intermediate oxyfuel gas cutting practices, plasma arc cutting principles, and basic shielded metal arc welding (SMAW).				
PMT0072	**Welder, SMAW 1**	**150 hours**		**1**
The Welder SMAW 1 course prepares students for entry into the welding industry as a basic Shielded Metal Arc Welder. Students explore career opportunities and requirements of a professional welder. Content emphasizes beginning skills key to the success of working in the welding industry. Students study basic shielded metal arc welding (SMAW), Carbon Arc Gouging (GAC) principles, and visual examination skills.				
PMT0073	**Welder, SMAW 2**	**150 hours**	**B**	**1**
The Welder SMAW 2 course is designed to build on the skills and knowledge students learned in Welder SMAW 1 for entry into the welding industry as a basic Shielded Metal Arc Welder. Students explore career opportunities and requirements of a professional welder. Content emphasizes beginning skills key to the success of working in the welding industry. Students study employability and welding careers, and intermediate shielded metal arc welding (SMAW).				
PMT0074	**Welder**	**450 hours**	**C**	**3**
The Welder course builds on the skills and knowledge students learned in the Welder Assistant and Welder SMAW courses. Students explore career opportunities and requirements of a professional welder. Content emphasizes skills key to the success of working in the welding industry. Students study basic and intermediate Gas Metal Arc Welding (GMAW), basic and intermediate Flux-Core Arc Welding (FCAW), basic and intermediate Gas Tungsten Arc Welding (GTAW), and a basic understanding of pipe welding.				

Industry Certification: Students are given the opportunity to take exams:

- National Center for Construction Education & Research (NCCER)

Welding Technology – Advanced

Length: 750 hours / 25 weeks
Enrollment: Every 18 weeks
Program Number: J400410
Enrollment Periods: 2; 375 hours, 375 hours

Mission: This program is a planned sequence of instruction consisting of two occupational completion points.

The standard length of this program is 750 hours. **Welding Technology** is a core program. It is recommended that students successfully complete **Welding Technology** or demonstrate mastery of the outcomes in that program prior to enrollment in the **Welding Technology - Advanced** program**.**

Basic Skill Level Requirements: Computations: 9, Communications: 9

Welding Technology - Advanced program **J400410** structure:

Course Number	Course Title	Course Length	OCP
PMT0075	**Advanced Welder 1**	**600 hours**	**A**
The Advanced Welder 1 course prepares students for entry into the welding industry. Students explore career opportunities and requirements of a professional welder. Content emphasizes advanced skills key to the success of working in the welding industry. Students study intermediate and advanced Shielded Metal Arc Welding (SMAW) Class-B Pipe Welder, pipe fitting fabrication techniques, and advanced Gas Tungsten Arc Welding (GTAW) skills.			
PMT0076	**Advanced Welder 2**	**150 hours**	**B**
The Advanced Welder 2 course is designed to prepare advanced welders for entry into emerging welding industries. Students explore career opportunities and requirements of a professional welder. Content emphasizes advance skills key to the success of working in the welding industry. Students study emerging technologies directly related to geographically relevant welding needs of business and industry.			

Industry Certification: Students are given the opportunity to take exams:

- National Center for Construction Education & Research (NCCER)

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