

# OPPORTUNITY AWAITS

*For High School Students exploring their career path*



**Discover**  
CAREER & TECHNICAL  
EDUCATION  
IN HIGH SCHOOL

*In high school, students can start building a foundation to gain high-quality workforce training that Florida employers are seeking.*

Programs are in

- Medical Assisting
- Dental Assisting
- Early Childhood Education
- Automotive Technology
- Diesel Technology
- Landscape & Turf Management
- Nursery Management
- Horticulture
- Culinary
- HVAC
- Welding
- Cosmetology
- Nails & Facials Specialties

**FCTC.edu (904) 547-3354**

Career and Technical Education (CTE) is a good fit for Floridians of all ages. High school students can start building a foundation for a successful career in one of our state's exciting and emerging industries.

Students can come to **FCTC** as early as 9<sup>th</sup> grade. As a **St. Johns County School District** student, classes, credits and certifications are available without additional expenses. Some programs like Culinary, Early Childhood Education, Nails and Facials Specialties enable students to receive state certification or licensure in a year then immediately begin working in their field. *Also, by starting in high school, students can return as an adult student after graduation to complete the program in less than a year.*

Below is our course progression identifying attainable certifications for dual and high school secondary enrolled students. Course sequencing may be adjusted for program optimization. These courses may also be eligible as college transfer credit based on the Florida Department of Education's [Statewide Articulation Agreement](#). For more information, visit [FCTC.edu](http://FCTC.edu) or email [StudentAdvising@FCTC.edu](mailto:StudentAdvising@FCTC.edu).

\* A minimum of two periods are required for dual and secondary enrollment.

## Industrial and Culinary

### Automotive Services Technology

Year	Course	Eligible Certification	FCTC Hours	Open Periods Needed	HS Credits
<b>Tech 1</b>					
1 <sup>st</sup>	Automobile Services Assistor	N/A	300	2	2
2 <sup>nd</sup>	Automotive Brake System Technician	ASE-A5-Brakes	150	1	1
2 <sup>nd</sup>	Automobile Suspension and Steering	ASE-A4-Suspension & Steering	150	1	1
3 <sup>rd</sup>	Automotive Electrical/Electronic System	ASE-A6-Electrical/Electronic Systems	300	2	2
4 <sup>th</sup>	Engine Repair Technician	ASE-A1-Engine Repair	150	1	1
<b>Tech 2</b>					
	Automotive Engine Performance	ASE-A8-Engine Performance	300	2	2
	Automatic Transmission and Transaxle	ASE-A2-Transmission/Transaxle	150	1	1
4 <sup>th</sup>	Manual Drivetrain and Axle Technician	ASE-A3-Manual Drive Train & Axles	150	1	1
	Automotive Heating & Air Conditioning	ASE-A7-Heating & Air Conditioning	150	1	1



**FCTC.EDU**

2980 Collins Ave • St Augustine, FL 32084 • (904) 547-3282

## Diesel Systems Technology

Year	Course	Eligible Certification	FCTC Hours	Open Period Needed	HS Credits
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### Tech 1

1 <sup>st</sup>	Diesel Engine Mech/Tech Helper	ASE-T1–Gasoline Engines	150	1	1
1 <sup>st</sup>	Diesel Electrical & Electronics Tech	ASE-T6–Electrical/ Electronic Systems	300	2	2
2 <sup>nd</sup>	Diesel Engine Technician	ASE-T2–Diesel Engines	300	2	2
3 <sup>rd</sup>	Diesel Brakes Technician	ASE-T4–Brakes	300	2	2

### Tech 2

	Diesel Eng Preventative Maintenance Tech	ASE-T8–Preventive Maintenance	150	1	1
4 <sup>th</sup>	Diesel Heating & A/C Tech	ASE -T7–Heating & Air Conditioning	150	1	1
4 <sup>th</sup>	Diesel Steering & Suspension Tech	ASE-T5–Suspension & Steering	150	1	1
	Diesel Drivetrain Tech	ASE-T3–Drive Train	150	1	1
	Diesel Hydraulic Tech	N/A	150	1	1

## Heating, Ventilation, Air-Conditioning/Refrigeration

Year	Course	Eligible Certification	FCTC Hours	Open Period Needed	HS Credits
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### Tech 1

1 <sup>st</sup>	Introduction to HVAC/R	N/A	250	2	1.5
2 <sup>nd</sup>	HVAC/R Fundamentals	N/A	250	2	1.5
3 <sup>rd</sup>	HVAC/R Service Practices	608-EPA, ACR A-02	250	2	1.5

### Tech 2

4 <sup>th</sup>	HVAC/R Intermediate Service Practices	N/A	250	2	1.5
	HVAC/R Advanced Service Practices	Heat Pump H03, Light Commercial or AC	350	3	2
	Advanced Commercial and Industrial Service Practices	Heat Pump H03, Light Commercial or AC	350	3	2

## Agriscience

Year	Course	Eligible Certification	FCTC Hours	Open Period Needed	HS Credits
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### Horticulture Science and Services - Secondary Only

1 <sup>st</sup>	Agriscience Foundation 1	Option for Best Management Practices	N/A	2	1
1 <sup>st</sup>	Introductory Horticulture 2	Fertilizer License	N/A	2	1
2 <sup>nd</sup>	Horticulture Science 3	N/A	N/A	2	1
2 <sup>nd</sup>	Horticulture Science and Services 4	FNGLA Certified Horticulture Professional (FCHP)	N/A	2	1
3 <sup>rd</sup>	Horticulture Science and Services 5	N/A	N/A	2	1
3 <sup>rd</sup>	Horticulture Science and Services 6	N/A	N/A	2	1

### Landscape Operations - Secondary Only

1 <sup>st</sup>	Agriscience Foundations 1	Option for Best Management Practices	N/A	2	1
1 <sup>st</sup>	Introductory Horticulture 2	Fertilizer License	N/A	2	1
2 <sup>nd</sup>	Horticulture Science 3	N/A	N/A	2	1
2 <sup>nd</sup>	Horticulture Science and Services 4	FNGLA Certified Horticulture Professional (FCHP)	N/A	2	1
3 <sup>rd</sup>	Horticulture Science and Services 5	N/A	N/A	2	1

## Landscape and Turf Management

Year	Course	Eligible Certification	FCTC Hours	Open Period Needed	HS Credits
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### Landscape and Turf Management

	*Extra period(s) required				
1 <sup>st</sup>	Nursery Worker	N/A	300	2	2
*2 <sup>nd</sup>	Landscape and Grounds Keeping	FNGLA Certified Horticulture Professional (FCHP)	450	3	3
3 <sup>rd</sup>	Landscape and Grounds Keeping Supervisor	N/A	150	1	1

## Nursery Management

Year	Course	Eligible Certification	FCTC Hours	Open Period Needed	HS Credits
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### Nursery Management

	*Extra period(s) required				
1 <sup>st</sup>	Nursery Worker	N/A	300	2	2
* 2 <sup>nd</sup>	Nursery and Greenhouse Managers 1	FNGLA Certified Horticulture Professional (FCHP)	450	3	3
3 <sup>rd</sup>	Nursery and Greenhouse Managers 2	N/A	150	1	1

## Welding Technologies

Year	Course	Eligible Certification	FCTC Hours	Open Period Needed	HS Credits
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### Welding Technology

	*Extra period(s) required				
1 <sup>st</sup>	Welder Assistant 1	N/A	150	1	1
1 <sup>st</sup>	Welder Assistant 2	AWELD0012	150	1	1
2 <sup>nd</sup>	Welder SMAW 1	N/A	150	1	1
2 <sup>nd</sup>	Welder SMAW 2	N/A	150	1	1
*3 <sup>rd</sup>	Welder	AWELD003, AWELD004, AWEELD008	450	3	3

### Welding Technology Advanced

*4 <sup>th</sup>	Advanced Welder 1	AWELD005, AWELD006	600	4	4
	Advanced Welder 2	AWELD009, AWELD011	150	1	1
	*Extra period(s) required				

## Culinary

Year	Course	Eligible Certification	FCTC Hours	Open Period Needed	HS Credits
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### Culinary Arts

1 <sup>st</sup>	Food Preparation	ServSafe Food Protection Manager	300	2	2
3 <sup>rd</sup>	Chef/Head Cook	N/A	300	2	2
4 <sup>th</sup>	Food Service Management	N/A	300	2	2

### Culinary Arts-Secondary Only

1 <sup>st</sup>	Culinary Arts 1	SafeStaff	N/A	2	1
1 <sup>st</sup>	Culinary Arts 2	N/A	N/A	2	1
2 <sup>nd</sup>	Culinary Arts 3	N/A	N/A	2	1
2 <sup>nd</sup>	Culinary Arts 4-Track 1	ServSafe Food Protection Manager	N/A	2	1
2 <sup>nd</sup>	Culinary Arts 4-Track 2	N/A	N/A	2	1
2 <sup>nd</sup>	Culinary Arts 4-Track 3	N/A	N/A	2	1

## Health Sciences – Available for 11<sup>th</sup> and 12<sup>th</sup> graders

### Dental Assisting

Year	Course	Eligible Certification	FCTC Hours	Open Period Needed	HS Credits
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	*1 <sup>st</sup> Yr. Monday – Friday 1 PM-3 PM / *2 <sup>nd</sup> Yr. Monday – Friday 8:00 AM – 10:45 AM				
1 <sup>st</sup>	Introduction to Dental Assisting	N/A	90	*	0.5
1 <sup>st</sup>	Dental Infection Control Assistant	N/A	210	*	1
2 <sup>nd</sup>	Dental Assisting 1	N/A	465	*	3
	Dental Assisting 2	N/A-Certification not required in FL	465	*	3

## Medical Assisting

Year	Course	Eligible Certification	FCTC Hours	Open Period Needed	HS Credits
	*1 <sup>st</sup> Yr. Monday – Friday 12:30 PM-3 PM / *2 <sup>nd</sup> Yr. Monday – Friday 8:00 AM -10:00 AM.				
*1 <sup>st</sup>	Basic Healthcare Worker	N/A	90	*	0.5
*2 <sup>nd</sup>	Intro to Medical Assisting	N/A	250	*	1.5
*1 <sup>st</sup>	Medical Office Procedures	N/A	75	*	0.5
*1 <sup>st</sup>	Phlebotomist	Certified Phlebotomist	75	*	0.5
*1 <sup>st</sup>	EKG Aid	Certified EKG Aide	75	*	0.5
	Clinical Assisting	N/A	230	*	1.5
*2 <sup>nd</sup>	Pharmacology for Medical Assisting	N/A	90	*	0.5
*1 <sup>st</sup>	Laboratory Procedures	N/A	125	*	1
	Administrative Office Procedures	N/A	90	*	0.5
	Practicum Experience	Medical Assistant Certification (CCMA)	200	*	1
		Registered Medical Assistant (RMA)			

## Human Services

### Cosmetology - Secondary Only

Year	Course	Eligible Certification	FCTC Hours	Open Periods Needed	HS Credits
1 <sup>st</sup>	Grooming & Salon Services Core 1	N/A	N/A	1	0.5
1 <sup>st</sup>	Cosmetology Nails 2	N/A	N/A	1	0.5
1 <sup>st</sup>	Cosmetology Facials 3	N/A	N/A	1	0.5
1&2	Cosmetology 4	N/A	N/A	2	1
2 <sup>nd</sup>	Cosmetology 5	N/A	N/A	2	1
2&3	Cosmetology 6	N/A	N/A	2	1
3 <sup>rd</sup>	Cosmetology 7	N/A	N/A	2	1
3&4	Cosmetology 8	N/A	N/A	2	1
4 <sup>th</sup>	Cosmetology 9		N/A	3	1.5

### Facials Specialty-Secondary Only

Year	Course	Eligible Certification	FCTC Hours	Open Period Needed	HS Credits
1 <sup>st</sup>	Grooming and Salon Services Core 1	N/A	N/A	1	0.5
1 <sup>st</sup>	Facials Specialty 2	N/A	N/A	1	0.5
1 <sup>st</sup>	Facials Specialty 3	Florida State Licensure-Facials Specialist	N/A	2	1

### Nails Specialty-Secondary only

Year	Course	Eligible Certification	FCTC Hours	Open Period Needed	HS Credits
1 <sup>st</sup>	Grooming and Salon Services Core 1	N/A	N/A	1	0.5
1 <sup>st</sup>	Nails Specialty 2	N/A	N/A	1	0.5
1 <sup>st</sup>	Nails Specialty 3	Florida State Licensure/Nail Specialist FLDOP008	N/A	2	1

## Early Childhood Education

### Early Childhood Education-Secondary Only

Year	Course	Eligible Certification	FCTC Hours	Open Period Needed	HS Credits
1 <sup>st</sup>	Early Childhood Education 1	State and Local Rules and Regulations Child Growth & Development Certificate Behavioral Observation and Screening Certificate	N/A	2	1
1 <sup>st</sup>	Early Childhood Education 2	Understanding Developmentally Appropriate Practices Certificate. Preschool Appropriate Practices	N/A	2	1
2 <sup>nd</sup>	Early Childhood Education 3	Infant & Toddler Appropriate Practices Special Needs Appropriate Practices, Early Literacy Early Childhood Professional Certificate (State of FL FLDOE)	N/A	2	1
2 <sup>nd</sup>	Early Childhood Education 4	National Child Development Associate Credential (CDA)	N/A	2	1