

Florida Department of Education
Curriculum Framework

Program Title: High School Pre-Apprenticeship
Program Type: Career Preparatory
Career Cluster: Any Cluster within an Apprenticiable Occupation

Secondary – Career Preparatory

Program Number	8000200
CIP Number	0891010002
Grade Level	9 – 12
Standard Length	4 credits
Teacher Certification	Refer to the <u>Program Structure</u> section.
CTSO	Program Specific
SOC Codes (all applicable)	Discipline Specific
CTE Program Resources	http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.shtml
Eligibility	Minimum 16 Years of Age, Registered in a Registered Pre-Apprenticeship Program (section 446.021 F.S.)

Purpose

This program offers courses that provide content aligned with challenging academic standards and the relevant technical knowledge and skills needed to prepare students for further education and careers in various apprenticeship occupations that are part of a Registered Preapprenticeship program registered with the Florida Department of Education, Division of Career and Adult Education, Apprenticeship Section. The program may include time-based and competency-based applied learning that contributes to problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of registered apprenticeship.

The content includes, but is not limited to, communication skills, leadership skills, human relations and employability skills, safe and efficient work practices, and the skills needed to operate and maintain a variety of related equipment and tools.

Additional Information relevant to this Career and Technical Education (CTE) program is provided at the end of this document.

Program Structure

Students enrolled in this program number must be registered in a Registered Preapprenticeship program in accordance with section 446.011-092, F.S. and 6A-23.010 F.A.C. This program of study is designed to prepare students for initial employment in an apprenticeship occupation within a Registered Apprenticeship program. The program includes related technical instruction and may include paid on-the-job training/learning, if

identified in the Registered Preapprenticeship Program Standards, which must be supervised by the Registered Preapprenticeship committee, sponsor, or participating employer; and teacher/coordinator.

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

Courses 8000110, 8000120, 8000130, and 8000140 correlate to the Related Technical Instruction component of a Registered Preapprenticeship program. If the Registered Preapprenticeship Standards contain a provision for on-the-job training/learning, the applicable OJT Career Cluster course is appropriate for registered preapprentices to be enrolled in.

To teach the courses listed below, instructors must hold at least one of the teacher certifications indicated for that course.

The following table illustrates the secondary program structure:

OCP	Course Number	Course Title	Teacher Certification	Length	SOC Code	Level	Graduation Requirement
A	8000110	Pre-Apprenticeship 1	ANY VOCATIONAL FIELD OR COVERAGE	1 credit	Occupation Specific	2	VO or PA
	8000120	Pre-Apprenticeship 2		1 credit	Occupation Specific	2	VO or PA
	8000130	Pre-Apprenticeship 3		1 credit	Occupation Specific	2	VO or PA
	8000140	Pre-Apprenticeship 4		1 credit	Occupation Specific	2	VO or PA

(Graduation Requirement Abbreviations- EQ= Equally Rigorous Science, PA= Practical Arts, EC= Economics, VO= Career and Technical Education)

Florida Standards for Technical Subjects

Florida Standards (FS) for English Language Arts and Literacy in History/Social Studies, Science, and Technical Subjects are the critical reading and writing literacy standards designed for grade 6 and above. These standards are predicated on teachers of history/social studies, science, and technical subjects using their content area expertise to help students meet the particular challenges of reading, writing, speaking, listening, and language in their respective fields. The FS for Mathematical Practices are designed for grades K-12 and describe varieties of expertise that educators at all levels should seek to develop in their students. These practices rest on important “processes and proficiencies” with longstanding importance in mathematics education.

Instructors must incorporate the Florida Standards for Technical Subjects and Mathematical Practices throughout instruction of this CTE program. To access these standards, please click on the following link:

<http://www.fldoe.org/core/fileparse.php/5652/urlt/FloridaStandardsTechSubjects.rtf>

Florida Standards for English Language Development (ELD)

English language learners communicate for social and instructional purposes within the school setting. ELD.K12.SI.1.1

English Language Development (ELD) Standards Special Notes:

Teachers are required to provide listening, speaking, reading and writing instruction that allows English language learners (ELL) to communicate for social and instructional purposes within the school setting. For the given level of English language proficiency and with visual, graphic, or interactive support, students will interact with grade level words, expressions, sentences and discourse to process or produce language necessary for academic success. The ELD standard should specify a relevant content area concept or topic of study chosen by curriculum developers and teachers which maximizes an ELL's need for communication and social skills. To access an ELL supporting document which delineates performance definitions and descriptors, please click on the following link: <http://www.cpalms.org/uploads/docs/standards/eld/SI.pdf>. For additional information on the development and implementation of the ELD standards, please contact the Bureau of Student Achievement through Language Acquisition at sala@fldoe.org.

Common Career Technical Core – Career Ready Practices

Career Ready Practices describe the career-ready skills that educators should seek to develop in their students. These practices are not exclusive to a Career Pathway, program of study, discipline or level of education. Career Ready Practices should be taught and reinforced in all career exploration and preparation programs with increasingly higher levels of complexity and expectation as a student advances through a program of study.

1. Act as a responsible and contributing citizen and employee.
2. Apply appropriate academic and technical skills.
3. Attend to personal health and financial well-being.
4. Communicate clearly, effectively and with reason.
5. Consider the environmental, social and economic impacts of decisions.
6. Demonstrate creativity and innovation.
7. Employ valid and reliable research strategies.
8. Utilize critical thinking to make sense of problems and persevere in solving them.
9. Model integrity, ethical leadership and effective management.
10. Plan education and career path aligned to personal goals.
11. Use technology to enhance productivity.
12. Work productively in teams while using cultural/global competence.

Standards

After successfully completing this program, the student will be able to perform the following:

- 01.0 Identify apprenticeable occupations.
- 02.0 Identify subparts in the Occupational Safety and Health Administration's regulations.
- 03.0 Demonstrate an understanding of Registered Apprenticeship.
- 04.0 Demonstrate and apply appropriate communication skills.
- 05.0 Demonstrate and apply appropriate math skills.
- 06.0 Demonstrate awareness of drug-free workplace initiatives.
- 07.0 Use technology, tools, equipment and supplies safely and correctly.
- 08.0 Read and interpret appropriate technical references and manuals.
- 09.0 Demonstrate understanding of employability skills.
- 10.0 Demonstrate understanding of entrepreneurship.
- 11.0 Demonstrate leadership and organizational skills.
- 12.0 Demonstrate the skills required for on-the-job training/learning in a registered apprenticeship program.
- 13.0 Develop a professional portfolio.
- 14.0 Gain practical exposure to various apprenticeable occupations.

Florida Department of Education
Student Performance Standards

Course Title: Pre-Apprenticeship 1
Course Number: 8000110
Course Credit: 1

CTE Standards and Benchmarks	
01.0	Identify apprenticeable occupations – the student will be able to:
01.01	Prepare a list of apprenticeable occupations in the area of interest.
01.02	Collect and maintain information on the apprenticeable occupation in which student has indicated an interest.
01.03	Contact a representative of the chosen apprenticeable occupation and ask a minimum of ten (10) prepared questions.
02.0	Identify subparts in the Occupational Safety and Health Administration's regulations – the student will be able to:
02.01	Describe how specific OSHA regulations relate to the apprenticeable occupation.
02.02	Apply OSHA regulations to work related activities in the classroom/lab.
02.03	Access and discover information on the OSHA website.
02.04	Describe the role of the National Institute of Occupational Safety and Health. (NIOSH)
03.0	Demonstrate and understanding of Registered Apprenticeship -- the student will be able to:
03.01	Research and explain the Fitzgerald Act.
03.02	Create an organizational chart of Registered Apprenticeship in the State of Florida.
03.03	Research the Florida Apprenticeship website.
03.04	Explain the role of the U.S. Department of Labor, Office of Apprenticeship.
03.05	Compare and contrast the difference between Office of Apprenticeship (OA) states and State Apprenticeship Agencies (SAA).
03.06	Understand the role of the State Apprenticeship Advisory Council in Florida.
03.07	Identify and explain Federal statutes related to registered apprenticeship. (29-CFR-29, 29-CFR-30, and 29-CFR-5)
03.08	Compare and contrast Joint and Non-Joint registered apprenticeship programs.
03.09	Identify and explain Florida statutes and rules related to registered apprenticeship. (446 F.S. and 6A-23 F.A.C.)
03.10	Explain what a collective bargaining agreement is and how it applies to Registered Apprenticeship.

CTE Standards and Benchmarks

04.0	Demonstrate and apply appropriate communication skills – the student will be able to:
04.01	Write logical and understandable statements, or phrases, to accurately fill out forms commonly used in business and industry.
04.02	Read and understand graphs, charts, diagrams, tables, blueprints, and schematics where appropriate and commonly used.
04.03	Read and interpret reading materials related to the apprenticeable occupation.
04.04	Demonstrate appropriate and relevant occupation-related computer skills.
04.05	Demonstrate appropriate telephone and smart phone communication skills.
04.06	Read and follow written instructions; listen to and follow verbal instructions.
04.07	Give reports orally and in writing.

Florida Department of Education
Student Performance Standards

Course Title: Pre-Apprenticeship 2
Course Number: 8000120
Course Credit: 1

CTE Standards and Benchmarks	
05.0	Demonstrate and apply appropriate math skills – the student will be able to:
05.01	Prepare a workbook that includes the formulas, practical guidelines, general knowledge, and mathematical principles related to the student’s selected apprenticeship area.
05.02	Solve job-related problems by adding, subtracting, multiplying, and dividing whole numbers, decimals, and common fractions.
06.0	Demonstrate awareness of drug-free workplace initiatives – the student will be able to:
06.01	Research and describe the effects of drugs and alcohol on job performance and safety.
06.02	Explain how an alcohol or drug conviction affects a person’s ability to acquire employment.
06.03	Research and describe the health-related effects of alcohol and drugs.
07.0	Use technology, tools, equipment and supplies safely and correctly – the student will be able to:
07.01	Correctly use tools and equipment appropriate to the selected apprenticeable occupation.
07.02	Demonstrate the ability to wear, select, adjust, and maintain safety equipment.
07.03	Determine whether safety equipment is serviceable.
07.04	Read safety warnings on equipment, chemicals, tools and work sites; correctly interpret and apply the necessary precautions.
07.05	Demonstrate an understanding of Safety Data Sheet(s) (SDS) related to the apprenticeable occupation.
07.06	Read the procedures for servicing equipment and accurately complete the required actions.
07.07	Determine the safety of the equipment used in the apprenticeable occupation.
08.0	Read and interpret appropriate technical references and manuals – the student will be able to:
08.01	Design solutions for work problems using data from appropriate manuals.
08.02	Use Internet resources to acquire technical information for job-related problems.
08.03	Read and use the appropriate manuals to complete work assignments
08.04	Demonstrate understanding of the material through correct procedures and application.

Florida Department of Education
Student Performance Standards

Course Title: Pre-Apprenticeship 3
 Course Number: 8000130
 Course Credit: 1

CTE Standards and Benchmarks	
09.0	Demonstrate understanding of employability skills – the student will be able to:
09.01	Demonstrate productive work habits and positive attitudes.
09.02	Identify the ethical and responsible practices expected of apprenticeship trainees.
09.03	Demonstrate acceptable personal hygiene habits and a professional appearance.
09.04	Apply the principles of time management, work simplification, and teamwork to perform and complete assigned tasks.
09.05	Explain the importance of taking pride in the quality of work performed.
09.06	Explain the importance of maintaining a good driving record and explain the ramifications of a poor driving record on employment.
09.07	Demonstrate knowledge of the Federal Hazard Communication Regulation (29 CFR 1910.1200).
09.08	Secure information about a job.
09.09	Identify the documents that may be required to apply for an apprenticeship program.
09.10	Complete a job application form.
09.11	Demonstrate competence in job interview techniques.
09.12	Demonstrate appropriate knowledge of how to make job changes.
09.13	Discuss the need to balance work and family.
09.14	Identify the appropriate certifications related to the apprenticeable occupation.
10.0	Demonstrate an understanding of entrepreneurship – the student will be able to:
10.01	Define entrepreneurship.
10.02	Describe the importance of entrepreneurship to the economy; identify the role of small business in a free enterprise system.
10.03	Discuss the advantages and disadvantages of business ownership.
10.04	Discuss the risks involved in business ownership.

CTE Standards and Benchmarks

10.05 Identify the personal characteristics of a successful entrepreneur.

10.06 Demonstrate an understanding of various business formats. (sole proprietor, s-corporation, limited liability, etc.)

11.0 Demonstrate leadership and organizational skills – the student will be able to:

11.01 Define and practice brainstorming.

11.02 Identify and use resource and time management skills.

11.03 Identify the characteristics of a leader and team members.

11.04 Identify the purposes and functions of career technical student organizations (CTSO) related to the selected apprenticeable occupation.

Florida Department of Education
Student Performance Standards

Course Title: Pre-Apprenticeship 4
 Course Number: 8000140
 Course Credit: 1

CTE Standards and Benchmarks	
12.0	Demonstrate the skills required for on-the job training/learning in a registered apprenticeship program – the student will be able to:
12.01	Practice maintaining a daily log of activities; include the number of hours, skills learned, and competencies attained.
13.0	Develop a professional portfolio – the student will be able to:
13.01	Include career and educational goals.
13.02	Provide an autobiography, picture, references and a résumé (traditional and digital).
13.03	Accumulate letters of recommendation.
13.04	Satisfactorily complete job applications related to the apprenticeable occupation of interest.
13.05	Document history of work and volunteer activities.
14.0	Gain practical exposure to various apprenticeable occupations – The student will be able to:
14.01	Rotate through a variety of increasingly responsible experiences.
14.02	Participate as a team member with a skilled mentor.
14.03	Demonstrate an understanding and appreciation of related occupational groups.
14.04	Apply basic skills in communications, mathematics, and science appropriate to technological content and learning activities.

Additional Information

Laboratory Activities

Laboratory investigations that include scientific inquiry, research, measurement, problem solving, emerging technologies, tools and equipment, as well as, experimental, quality, and safety procedures are an integral part of this career and technical program/course. Laboratory investigations benefit all students by developing an understanding of the complexity and ambiguity of empirical work, as well as the skills required to manage, operate, calibrate and troubleshoot equipment/tools used to make observations. Students understand measurement error; and have the skills to aggregate, interpret, and present the resulting data. Equipment and supplies should be provided to enhance hands-on experiences for students.

Special Notes

In order for secondary students to be enrolled in this program, students **must** be registered and have entered into a Pre-Apprenticeship Training Agreement in a Pre-Apprenticeship program that is sponsored by a Registered Apprenticeship program, as identified in F.S. 446 registered with the Florida Department of Education, Apprenticeship Section.

MyCareerShines is an interactive resource to assist students in identifying their ideal career and to enhance preparation for employment. Teachers are encouraged to integrate this resource into the program curriculum to meet the employability goals for each student. Access MyCareerShines by visiting: www.mycareershines.org.

Career and Technical Student Organization (CTSO)

The intercurricular career and technical student organization(s) providing leadership training and reinforcing specific career and technical skills is discipline specific. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered.

Cooperative Training – OJT

On-the-job training is appropriate but not required for this program. Whenever offered, the rules, guidelines, and requirements found and specified in the appropriate Career Cluster OJT framework apply.

Accommodations

Federal and state legislation requires the provision of accommodations for students with disabilities as identified on the secondary student's Individual Educational Plan (IEP) or 504 plan or postsecondary student's accommodations' plan to meet individual needs and ensure equal access. Accommodations change the way the student is instructed. Students with disabilities may need accommodations in such areas as instructional methods and materials, assignments and assessments, time demands and schedules, learning environment, assistive technology and special communication systems. Documentation of the accommodations requested and provided should be maintained in a confidential file.

In addition to accommodations, some secondary students with disabilities (students with an IEP served in Exceptional Student Education (ESE)) will need modifications to meet their needs. Modifications change the outcomes or what the student is expected to learn, e.g., modifying the curriculum of a secondary career and technical education course. Note: postsecondary curriculum and regulated secondary programs cannot be modified.

Some secondary students with disabilities (ESE) may need additional time (i.e., longer than the regular school year), to master the student performance standards associated with a regular Occupational Completion Point (OCP) or a Modified Occupational Completion Point (MOCP). If needed, a student may enroll in the same career and technical course more than once. Documentation should be included in the IEP that clearly indicates that it is anticipated that the student may need an additional year to complete an OCP/MOCP. The student should work on different competencies and new applications of competencies each year toward completion of the OCP/MOCP. After achieving the competencies identified for the year, the student earns credit for the course. It is important to ensure that credits earned by students are reported accurately. The district's information system must be designed to accept multiple credits for the same course number for eligible students with disabilities.

Additional Resources

For additional information regarding articulation agreements, Bright Futures Scholarships, Fine Arts/Practical Arts Credit and Equivalent Mathematics and Equally Rigorous Science Courses please refer to:

<http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.shtml>

**Florida Department of Education
Curriculum Framework**

Program Title: High School Apprenticeship
Program Type: Career Preparatory
Career Cluster: Any Cluster within an Apprenticeable Occupation

Secondary – Career Preparatory

Program Number	8000300
CIP Number	0891010003
Grade Level	10 – 12
Standard Length	3 credits
Teacher Certification	Refer to the <u>Program Structure</u> section.
CTSO	Program Specific
SOC Codes (all applicable)	Discipline Specific
CTE Program Resources	http://www.fldoe.org/academics/career-adult-edu/career-tech-edu/program-resources.shtml
Eligibility	Minimum 16 Years of Age, Registered in a Registered Apprenticeship Program (section 446.011-092 F.S.)

Purpose

This program offers courses that provide content aligned with challenging academic standards and the relevant technical knowledge and skills needed to prepare students for further education and careers in various apprenticeable occupations that are part of a Registered Apprenticeship program registered with the Florida Department of Education, Division of Career and Adult Education, Apprenticeship Section. The program may include time-based, competency-based, or hybrid-based applied learning that contributes to problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of registered apprenticeship.

The content includes, but is not limited to, communication skills, leadership skills, human relations and employability skills, safe and efficient work practices, and the skills needed to operate and maintain a variety of related equipment and tools.

Additional Information relevant to this Career and Technical Education (CTE) program is provided at the end of this document.

Program Structure

Students enrolled in this program must be registered in a Registered Apprenticeship program in accordance with section 446.011-092, F.S. and rule 6A-23.001-011 F.A.C. This program is designed for students employed full-time in an apprenticeable occupation within a Registered Apprenticeship program. The program will include related technical instruction and paid on-the-job training/learning which must be supervised by the Registered Apprenticeship committee, sponsor, or participating employer; and teacher/coordinator.

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

Courses 8000310, 8000320, and 8000330 correlate to the Related Technical Instruction component of a Registered Apprenticeship program. For on-the-job training/learning, students should be enrolled in the applicable OJT Career Cluster course.

To teach the courses listed below, instructors must hold at least one of the teacher certifications indicated for that course.

The following table illustrates the secondary program structure:

OCP	Course Number	Course Title	Teacher Certification	Length	SOC Code	Level	Graduation Requirement
A	8000310	Apprenticeship 1	ANY VOCATIONAL FIELD OR COVERAGE	1 credit	Occupation Specific	2	VO or PA
B	8000320	Apprenticeship 2		1 credit	Occupation Specific	2	VO or PA
C	8000330	Apprenticeship 3		1 credit	Occupation Specific	2	VO or PA

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Florida Standards for Technical Subjects

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Instructors must incorporate the Florida Standards for Technical Subjects and Mathematical Practices throughout instruction of this CTE program. To access these standards, please click on the following link:

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Florida Standards for English Language Development (ELD)

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English Language Development (ELD) Standards Special Notes:

Teachers are required to provide listening, speaking, reading and writing instruction that allows English language learners (ELL) to communicate for social and instructional purposes within the school setting. For the given level of English language proficiency and with visual, graphic, or interactive support, students will interact with grade level words, expressions, sentences and discourse to process or produce language necessary for

academic success. The ELD standard should specify a relevant content area concept or topic of study chosen by curriculum developers and teachers which maximizes an ELL's need for communication and social skills. To access an ELL supporting document which delineates performance definitions and descriptors, please click on the following link: <http://www.cpalms.org/uploads/docs/standards/eld/SI.pdf>. For additional information on the development and implementation of the ELD standards, please contact the Bureau of Student Achievement through Language Acquisition at sala@fldoe.org.

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Career Ready Practices describe the career-ready skills that educators should seek to develop in their students. These practices are not exclusive to a Career Pathway, program of study, discipline or level of education. Career Ready Practices should be taught and reinforced in all career exploration and preparation programs with increasingly higher levels of complexity and expectation as a student advances through a program of study.

1. Act as a responsible and contributing citizen and employee.
2. Apply appropriate academic and technical skills.
3. Attend to personal health and financial well-being.
4. Communicate clearly, effectively and with reason.
5. Consider the environmental, social and economic impacts of decisions.
6. Demonstrate creativity and innovation.
7. Employ valid and reliable research strategies.
8. Utilize critical thinking to make sense of problems and persevere in solving them.
9. Model integrity, ethical leadership and effective management.
10. Plan education and career path aligned to personal goals.
11. Use technology to enhance productivity.
12. Work productively in teams while using cultural/global competence.

Standards

After successfully completing this program, the student will be able to perform the following:

- 01.0 Associated Year 1 standards of the Related Instruction Outline as documented in the Registered Apprenticeship's standards and agreement.
- 02.0 Associated Year 2 standards of the Related Instruction Outline as documented in the Registered Apprenticeship's standards and agreement.
- 03.0 Associated Year 3 standards of the Related Instruction Outline as documented in the Registered Apprenticeship's standards and agreement.

Florida Department of Education
Student Performance Standards

Course Title: Apprenticeship 1
Course Number: 8000310
Course Credit: 1

Course Description: Apprenticeship 1 is designed to align with the Related Instruction Outline for year 1 within the Standards of Apprenticeship for which the Apprentice is registered in. A copy of the Related Instruction Outline can be obtained from the Florida Department of Education, Division of Career and Adult Education, Bureau of Standards, Benchmarks and Frameworks, Apprenticeship Section.

CTE Standards and Benchmarks	
01.0	Year 1 of the Related Instruction Outline -- The student will be able to:
01.01	Successfully complete Year 1 of the Related Technical Instruction requirements of the Registered Apprenticeship program as identified in the Standards of Apprenticeship registered with the Florida Department of Education.

Florida Department of Education
Student Performance Standards

Course Title: **Apprenticeship 2**
Course Number: **8000320**
Course Credit: **1**

Course Description: Apprenticeship 2 is designed to align with the Related Instruction Outline for year 2 within the Standards of Apprenticeship for which the Apprentice is registered in. A copy of the Related Instruction Outline can be obtained from the Florida Department of Education, Division of Career and Adult Education, Bureau of Standards, Benchmarks and Frameworks, Apprenticeship Section.

CTE Standards and Benchmarks	
02.0	Year 2 of the Related Instruction Outline -- The student will be able to:
02.01	Successfully complete Year 2 of the Related Technical Instruction requirements of the Registered Apprenticeship program as identified in the Standards of Apprenticeship registered with the Florida Department of Education.

Florida Department of Education
Student Performance Standards

Course Title: Apprenticeship 3
Course Number: 8000330
Course Credit: 1

Course Description: Apprenticeship 3 is designed to align with the Related Instruction Outline for year 3 within the Standards of Apprenticeship for which the Apprentice is registered in. A copy of the Related Instruction Outline can be obtained from the Florida Department of Education, Division of Career and Adult Education, Bureau of Standards, Benchmarks and Frameworks, Apprenticeship Section.

CTE Standards and Benchmarks

03.0	Year 3 of the Related Instruction Outline -- The student will be able to:
03.01	Successfully complete Year 3 of the Related Technical Instruction requirements of the Registered Apprenticeship program as identified in the Standards of Apprenticeship registered with the Florida Department of Education.

Additional Information

Laboratory Activities

Laboratory investigations that include scientific inquiry, research, measurement, problem solving, emerging technologies, tools and equipment, as well as, experimental, quality, and safety procedures are an integral part of this career and technical program/course. Laboratory investigations benefit all students by developing an understanding of the complexity and ambiguity of empirical work, as well as the skills required to manage, operate, calibrate and troubleshoot equipment/tools used to make observations. Students understand measurement error; and have the skills to aggregate, interpret, and present the resulting data. Equipment and supplies should be provided to enhance hands-on experiences for students.

Special Notes

In order for secondary students to be enrolled in this program, students **must** be registered and have entered into an Apprenticeship Training Agreement with an Apprenticeship program registered with the Florida Department of Education, Apprenticeship Section as required by F.S. 446.001-092 and F.A.C 6A-23.001-011.

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Career and Technical Student Organization (CTSO)

The intercurricular career and technical student organization(s) providing leadership training and reinforcing specific career and technical skills is discipline specific. Career and Technical Student Organizations provide activities for students as an integral part of the instruction offered.

Cooperative Training – OJT

On-the-job training thru full-time employment is required for this program as specified in the Registered Apprenticeship program for which the student is registered in. The rules, guidelines, and requirements found and specified in the appropriate Career Cluster OJT framework apply.

Accommodations

Federal and state legislation requires the provision of accommodations for students with disabilities as identified on the secondary student's Individual Educational Plan (IEP) or 504 plan or postsecondary student's accommodations' plan to meet individual needs and ensure equal access. Accommodations change the way the student is instructed. Students with disabilities may need accommodations in such areas as instructional methods and materials, assignments and assessments, time demands and schedules, learning environment, assistive technology and special communication systems. Documentation of the accommodations requested and provided should be maintained in a confidential file.

In addition to accommodations, some secondary students with disabilities (students with an IEP served in Exceptional Student Education (ESE)) will need modifications to meet their needs. Modifications change the outcomes or what the student is expected to learn, e.g., modifying the curriculum of a secondary career and technical education course. Note: postsecondary curriculum and regulated secondary programs cannot be modified.

Some secondary students with disabilities (ESE) may need additional time (i.e., longer than the regular school year), to master the student performance standards associated with a regular Occupational Completion Point (OCP) or a Modified Occupational Completion Point (MOCP). If needed, a student may enroll in the same career and technical course more than once. Documentation should be included in the IEP that clearly indicates that it is anticipated that the student may need an additional year to complete an OCP/MOCP. The student should work on different competencies and new applications of competencies each year toward completion of the OCP/MOCP. After achieving the competencies identified for the year, the student earns credit for the course. It is important to ensure that credits earned by students are reported accurately. The district's information system must be designed to accept multiple credits for the same course number for eligible students with disabilities.

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