

Trades and Industry Certification Minor

Career and technology education preparation programs

Goal Description:

Trade and Industrial (T&I) alternative education preparation program is here to prepare future educators to teach in the areas that they have specialized experience and industry certifications in. They will go on to teach in the Career and Technology Education (CTE) programs where they prepare students for careers in a variety of trades, such as including carpentry, masonry, electrical and construction management; automotive technology; heating, ventilation and air conditioning systems; computer-aided drafting and manufacturing; welding; manufacturing; electronics; robotics; and cosmetology to name a few of them.

Providing Department: Trades and Industry Certification Minor

RELATED ITEMS/ELEMENTS -----

RELATED ITEM LEVEL 1

Develop Trade and Industrial Educational Curriculum

Learning Objective Description:

Trade and Industrial Certification candidates will analyze and develop custom curriculum within Trade and Industrial Education tailored to their aligned training program.

RELATED ITEM LEVEL 2

Laboratory Management

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of Laboratory Management by properly organizing and managing learning situations in the classroom or laboratory, to include concepts such as: planning and organizing instructional facilities for effective learning; establishing record keeping systems; establishing systems to account for tools, equipment, materials, and supplies; utilizing organization, rotation, and progress charts; principles of class management, including directing, controlling, and supervising learning activities; and development of organizational, management, and safety plans to ensure acquisition of essential skills, knowledge, and desirable attitudes by students.

Criterion Description:

100% Trade and Industrial Certification candidates will enroll and pass INED 4391 – Laboratory Management.

Findings Description:

During the 2022-2023 academic year, INED 4391 had 0 students enrolled.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Develop a system of student management.
2. Develop a system of supervised learning experiences that will ensure effective student use of time.
3. Develop a system of record keeping.
4. Develop a plan for teaching safety.
5. Arrange layout of shop/lab to simulate an occupational environment.
6. Establish a system for repair, maintenance, and replacement of tools and equipment (purchasing, budgeting, and projection).
7. Develop a plan to organize and implement youth leadership development activities as an integral part of the instructional program.
8. Develop a public relations program.

Required Assignments and Grading:

1.Lab	Management	100 points
Paper		

2.Module Reflections	50 points
3.Online Assignments & Discussions	250 points
4.Midterm Exam	50points
5.Second Exam	50 points
<i>Total</i>	<i>500 Points</i>

Final Grade (Based on a total of 700 possible points)

A= 450 – 500 points

D= 300 – 349 points

B= 400 – 449 points

F= 000 – 299 points

C= 350 – 399 points

RELATED ITEM LEVEL 3

Laboratory Management

Action Description:

Continue assessment and development practices in Laboratory Management to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 2

Methods of Teaching Industrial Subjects

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of the Methods of Teaching Industrial Subjects by learning the insights into the philosophy, objectives, course content, organization, special methods of instruction, evaluation, administration safety, record keeping, and innovations of industrial arts in the public school system.

Criterion Description:

- 100% Trade and Industrial Certification candidates will enroll and pass INED 4364 – Methods of Teaching Industrial Subjects.
- 100% Trade and Industrial Certification candidates will INED 4363 – Preparation of Instructional Materials.

Findings Description:

During the 2022-2023 academic year, INED 4364 had 1 student enrolled, and earned a passing grade.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Locate, review, evaluate, and secure instructional materials for use in teaching a specific vocational course.
2. Know the different types of instructional aids used in the classroom.
3. Select, obtain, or prepare teaching aids to enhance instructional effectiveness.
4. Select or prepare a computer-assisted instructional program.
5. Understand the required essential knowledge and skills common to all career and technology education programs and their own specific program area(s).
6. Develop slide presentations.
7. Develop instructional posters
8. Prepare information sheets for use in teaching related information lessons.
9. Research and demonstrate any instructional technology
10. Create web 2.0 presentation
11. Use free website services to create a website for their course
12. Create a review game to be used for a lesson in their course
13. Create a video
14. Select a CRISS or SIOP based learning technique to create a best teaching practice instructional aid.

1. Required Assignments and Grading:

1.Module 1	200 points
2.Module 2	50 points
3.Module 3	150 points
4.Module 4	50 points
5.Module 5	50 points
<i>Total</i>	<i>500 Points</i>

Final Grade (Based on a total of 500 possible points)

A= 450 – 500 points

D= 300 – 349 points

B= 400 – 449 points

F= 000 – 299 points

C= 350 – 399 points

RELATED ITEM LEVEL 3

Methods of Teaching Industrial Subjects

Action Description:

Continue assessment and development practices in Preparation of Instructional Materials to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 2

Occupational Human Relations in Career and Technical Education

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of Occupational Human Relations in Career and Technical Education by learning to establish and maintain effective relationships with students, co-workers, other school personnel, industry, and persons in community. Principles and skills in working with people will be developed through a study of: advantages of the principles of learning, influences of heredity and environment, basic wants and needs, motivational factors, development of positive attitudes, teacher-student relationship, leadership development, and elements of effective communication. A study of techniques of identifying and arriving at probable solutions on human relations will be emphasized. This course includes a study of techniques of identifying and arriving at probable solutions for providing all students equal access to vocational program offerings.

Criterion Description:

- 100% Trade and Industrial Certification candidates will INED 4379 – Occupational Analysis and Curriculum Development.
- 100% Trade and Industrial Certification candidates will enroll and pass INED 4310 – Occupational Human Relations.

Findings Description:

During the 2022-2023 academic year, INED 4310 had 9/10 students enrolled and earn a passing grade.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Develop a system of student management.
2. Develop a system of supervised learning experiences that will ensure effective student use of time.
3. Develop a system of record keeping.
4. Develop a plan for teaching safety.
5. Arrange layout of shop/lab to simulate an occupational environment.

6. Establish a system for repair, maintenance, and replacement of tools and equipment (purchasing, budgeting, and projection).
7. Develop a plan to organize and implement youth leadership development activities as an integral part of the instructional program.
8. Develop a public relations program.

Required Assignments and Grading:

1.Lab Paper	Management	100 points
2.Module Reflections		50 points
3.Online Assignments & Discussions		250 points
4.Midterm Exam		50points
5.Second Exam		50 points
	Total	500 Points

Final Grade (Based on a total of 700 possible points)

A= 450 – 500 points

D= 300 – 349 points

B= 400 – 449 points

F= 000 – 299 points

C= 350 – 399 points

RELATED ITEM LEVEL 3

Occupational Human Relations in Career and Technical Education

Action Description:

Continue assessment and development practices in Laboratory Management to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 1

Develop Trade and Industrial Educational Instruction

Learning Objective Description:

Trade and Industrial Certification candidates will analyze and develop custom instructional practices within Trade and Industrial Education tailored to their aligned training program.

RELATED ITEM LEVEL 2

Laboratory Management

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of Laboratory Management by properly organizing and managing learning situations in the classroom or laboratory, to include concepts such as: planning and organizing instructional facilities for effective learning; establishing record keeping systems; establishing systems to account for tools, equipment, materials, and supplies; utilizing organization, rotation, and progress charts; principles of class management, including directing, controlling, and supervising learning activities; and development of organizational, management, and safety plans to ensure acquisition of essential skills, knowledge, and desirable attitudes by students.

Criterion Description:

100% Trade and Industrial Certification candidates will enroll and pass INED 4391 – Laboratory Management.

Findings Description:

During the 2022-2023 academic year, INED 4391 had 0 students enrolled.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Develop a system of student management.
2. Develop a system of supervised learning experiences that will ensure effective student use of time.
3. Develop a system of record keeping.
4. Develop a plan for teaching safety.
5. Arrange layout of shop/lab to simulate an occupational environment.
6. Establish a system for repair, maintenance, and replacement of tools and equipment (purchasing, budgeting, and projection).
7. Develop a plan to organize and implement youth leadership development activities as an integral part of the instructional program.
8. Develop a public relations program.

Required Assignments and Grading:

1.Lab	Management	100 points
Paper		
2.Module Reflections		50 points
3.Online Assignments & Discussions		250 points
4.Midterm Exam		50points
5.Second Exam		50 points
	Total	500 Points

Final Grade (Based on a total of 700 possible points)

A= 450 – 500 points

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RELATED ITEM LEVEL 3

Laboratory Management

Action Description:

Continue assessment and development practices in Laboratory Management to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 2

Methods of Teaching Industrial Subjects

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of the Methods of Teaching Industrial Subjects by learning the insights into the philosophy, objectives, course content, organization, special methods of instruction, evaluation, administration safety, record keeping, and innovations of industrial arts in the public school system.

Criterion Description:

- 100% Trade and Industrial Certification candidates will enroll and pass INED 4364 – Methods of Teaching Industrial Subjects.
- 100% Trade and Industrial Certification candidates will INED 4363 – Preparation of Instructional Materials.

Findings Description:

During the 2022-2023 academic year, INED 4364 had 1 student enrolled, and earned a passing grade.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Locate, review, evaluate, and secure instructional materials for use in teaching a specific vocational course.
2. Know the different types of instructional aids used in the classroom.
3. Select, obtain, or prepare teaching aids to enhance instructional effectiveness.

4. Select or prepare a computer-assisted instructional program.
5. Understand the required essential knowledge and skills common to all career and technology education programs and their own specific program area(s).
6. Develop slide presentations.
7. Develop instructional posters
8. Prepare information sheets for use in teaching related information lessons.
9. Research and demonstrate any instructional technology
10. Create web 2.0 presentation
11. Use free website services to create a website for their course
12. Create a review game to be used for a lesson in their course
13. Create a video
14. Select a CRISS or SIOP based learning technique to create a best teaching practice instructional aid.

1. **Required Assignments and Grading:**

1.Module 1	200 points
2.Module 2	50 points
3.Module 3	150 points
4.Module 4	50 points
5.Module 5	50 points
Total	500 Points

Final Grade (Based on a total of 500 possible points)

A= 450 – 500 points

D= 300 – 349 points

B= 400 – 449 points

F= 000 – 299 points

C= 350 – 399 points

RELATED ITEM LEVEL 3

Methods of Teaching Industrial Subjects

Action Description:

Continue assessment and development practices in Preparation of Instructional Materials to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 2

Occupational Human Relations in Career and Technical Education

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of Occupational Human Relations in Career and Technical Education by learning to establish and maintain effective relationships with students, co-workers, other school personnel, industry, and persons in community. Principles and skills in working with people will be developed through a study of: advantages of the principles of learning, influences of heredity and environment, basic wants and needs, motivational factors, development of positive attitudes, teacher-student relationship, leadership development, and elements of effective communication. A study of techniques of identifying and arriving at probable solutions on human relations will be emphasized. This course includes a study of techniques of identifying and arriving at probable solutions for providing all students equal access to vocational program offerings.

Criterion Description:

- 100% Trade and Industrial Certification candidates will INED 4379 – Occupational Analysis and Curriculum Development.
- 100% Trade and Industrial Certification candidates will enroll and pass INED 4310 – Occupational Human Relations.

Findings Description:

During the 2022-2023 academic year, INED 4310 had 9/10 students enrolled and earn a passing grade.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Develop a system of student management.
2. Develop a system of supervised learning experiences that will ensure effective student use of time.
3. Develop a system of record keeping.
4. Develop a plan for teaching safety.
5. Arrange layout of shop/lab to simulate an occupational environment.
6. Establish a system for repair, maintenance, and replacement of tools and equipment (purchasing, budgeting, and projection).
7. Develop a plan to organize and implement youth leadership development activities as an integral part of the instructional program.
8. Develop a public relations program.

Required Assignments and Grading:

1.Lab Paper	Management	100 points
2.Module Reflections		50 points
3.Online Assignments & Discussions		250 points
4.Midterm Exam		50points
5.Second Exam		50 points
	Total	500 Points

Final Grade (Based on a total of 700 possible points)

A= 450 – 500 points

D= 300 – 349 points

B= 400 – 449 points

F= 000 – 299 points

C= 350 – 399 points

RELATED ITEM LEVEL 3**Occupational Human Relations in Career and Technical Education****Action Description:**

Continue assessment and development practices in Laboratory Management to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 1**Successful T&I/CTE instructor****Learning Objective Description:**

- demonstrate personal characteristics of the successful T&I/CTE instructor;
- demonstrate professional qualities of the successful T&I/CTE instructor;
- demonstrate instructional strategies to enhance student achievement and growth in the T&I/CTE environment.

RELATED ITEM LEVEL 2**Laboratory Management****Indicator Description:**

Trade and Industrial Certification candidates will develop knowledge of Laboratory Management by properly organizing and managing learning situations in the classroom or laboratory, to include concepts such as: planning and organizing instructional facilities for effective learning; establishing record keeping systems; establishing systems to account for tools, equipment, materials, and supplies; utilizing organization, rotation, and progress charts; principles of class management, including

directing, controlling, and supervising learning activities; and development of organizational, management, and safety plans to ensure acquisition of essential skills, knowledge, and desirable attitudes by students.

Criterion Description:

100% Trade and Industrial Certification candidates will enroll and pass INED 4391 – Laboratory Management.

Findings Description:

During the 2022-2023 academic year, INED 4391 had 0 students enrolled.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Develop a system of student management.
2. Develop a system of supervised learning experiences that will ensure effective student use of time.
3. Develop a system of record keeping.
4. Develop a plan for teaching safety.
5. Arrange layout of shop/lab to simulate an occupational environment.
6. Establish a system for repair, maintenance, and replacement of tools and equipment (purchasing, budgeting, and projection).
7. Develop a plan to organize and implement youth leadership development activities as an integral part of the instructional program.
8. Develop a public relations program.

Required Assignments and Grading:

1.Lab Management	100 points
Paper	
2.Module Reflections	50 points
3.Online Assignments & Discussions	250 points
4.Midterm Exam	50points
5.Second Exam	50 points
<i>Total</i>	<i>500 Points</i>

Final Grade (Based on a total of 700 possible points)

A= 450 – 500 points

D= 300 – 349 points

B= 400 – 449 points

F= 000 – 299 points

C= 350 – 399 points

RELATED ITEM LEVEL 3

Laboratory Management

Action Description:

Continue assessment and development practices in Laboratory Management to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 2

Methods of Teaching Industrial Subjects

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of the Methods of Teaching Industrial Subjects by learning the insights into the philosophy, objectives, course content, organization, special methods of instruction, evaluation, administration safety, record keeping, and innovations of industrial arts in the public school system.

Criterion Description:

- 100% Trade and Industrial Certification candidates will enroll and pass INED 4364 – Methods of Teaching Industrial Subjects.
- 100% Trade and Industrial Certification candidates will INED 4363 – Preparation of Instructional Materials.

Findings Description:

During the 2022-2023 academic year, INED 4364 had 1 student enrolled, and earned a passing grade.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Locate, review, evaluate, and secure instructional materials for use in teaching a specific vocational course.
2. Know the different types of instructional aids used in the classroom.
3. Select, obtain, or prepare teaching aids to enhance instructional effectiveness.
4. Select or prepare a computer-assisted instructional program.
5. Understand the required essential knowledge and skills common to all career and technology education programs and their own specific program area(s).
6. Develop slide presentations.
7. Develop instructional posters
8. Prepare information sheets for use in teaching related information lessons.
9. Research and demonstrate any instructional technology
10. Create web 2.0 presentation
11. Use free website services to create a website for their course
12. Create a review game to be used for a lesson in their course
13. Create a video
14. Select a CRISS or SIOP based learning technique to create a best teaching practice instructional aid.

1. Required Assignments and Grading:

1.Module 1	200 points
2.Module 2	50 points
3.Module 3	150 points
4.Module 4	50 points
5.Module 5	50 points
Total	500 Points

Final Grade (Based on a total of 500 possible points)

A= 450 – 500 points

D= 300 – 349 points

B= 400 – 449 points

F= 000 – 299 points

C= 350 – 399 points

RELATED ITEM LEVEL 3

Methods of Teaching Industrial Subjects

Action Description:

Continue assessment and development practices in Preparation of Instructional Materials to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 2

Occupational Human Relations in Career and Technical Education

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of Occupational Human Relations in Career and Technical Education by learning to establish and maintain effective relationships with students, co-workers, other school personnel, industry, and persons in community.

Principles and skills in working with people will be developed through a study of: advantages of the principles of learning, influences of heredity and environment, basic wants and needs, motivational factors, development of positive attitudes, teacher-student relationship, leadership development, and elements of effective communication. A study of techniques of identifying and arriving at probable solutions on human relations will be emphasized. This course includes a study of techniques of identifying and arriving at probable solutions for providing all students equal access to vocational program offerings.

Criterion Description:

- 100% Trade and Industrial Certification candidates will INED 4379 – Occupational Analysis and Curriculum Development.
- 100% Trade and Industrial Certification candidates will enroll and pass INED 4310 – Occupational Human Relations.

Findings Description:

During the 2022-2023 academic year, INED 4310 had 9/10 students enrolled and earn a passing grade.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Develop a system of student management.
2. Develop a system of supervised learning experiences that will ensure effective student use of time.
3. Develop a system of record keeping.
4. Develop a plan for teaching safety.
5. Arrange layout of shop/lab to simulate an occupational environment.
6. Establish a system for repair, maintenance, and replacement of tools and equipment (purchasing, budgeting, and projection).
7. Develop a plan to organize and implement youth leadership development activities as an integral part of the instructional program.
8. Develop a public relations program.

Required Assignments and Grading:

1.Lab Management	100 points
Paper	
2.Module Reflections	50 points
3.Online Assignments & Discussions	250 points
4.Midterm Exam	50points
5.Second Exam	50 points
<i>Total</i>	<i>500 Points</i>

Final Grade (Based on a total of 700 possible points)

A= 450 – 500 points

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C= 350 – 399 points

RELATED ITEM LEVEL 3

Occupational Human Relations in Career and Technical Education

Action Description:

Continue assessment and development practices in Laboratory Management to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 1

Performance Objective

Performance Objective Description:

80% will take and pass the Texas Examinations of Educator Standards™ (TExES™) Program Pedagogy and Professional Responsibilities for Trade and Industrial Education 6–12 (PPR 270).

RELATED ITEM LEVEL 2

KPI

KPI Description:

The indicator is the employment rate these program completers have and that they remain in the field of teaching for more than three (3) years. The data collection will be based from voluntary survey request sent to students annually to their school district email where they are employed.

Target Description:

Employment rate upon completion of the program completers is 50% or more and 70% will remain in the field of teaching for more than three (3) years.

Results Description:

During the 2022-23 academic year, no students completed all of the courses in order to qualify to take the TExES exam. No data is collected.

RELATED ITEM LEVEL 3

KPI

Action Description:

Continue assessment and development practices in INED Curriculum Development to foster the development of Industrial Technology Education knowledge and skills

Develop Professional Competencies in Trade and Industrial Education

Goal Description:

Candidates will demonstrate a mastery of curricular and instructional practices within Trade and Industrial Education.

Providing Department: Trades and Industry Certification Minor

RELATED ITEMS/ELEMENTS -----

RELATED ITEM LEVEL 1

Develop Trade and Industrial Educational Curriculum

Learning Objective Description:

Trade and Industrial Certification candidates will analyze and develop custom curriculum within Trade and Industrial Education tailored to their aligned training program.

RELATED ITEM LEVEL 2

Laboratory Management

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of Laboratory Management by properly organizing and managing learning situations in the classroom or laboratory, to include concepts such as: planning and organizing instructional facilities for effective learning; establishing record keeping systems; establishing systems to account for tools, equipment, materials, and supplies; utilizing organization, rotation, and progress charts; principles of class management, including directing, controlling, and supervising learning activities; and development of organizational, management, and safety plans to ensure acquisition of essential skills, knowledge, and desirable attitudes by students.

Criterion Description:

100% Trade and Industrial Certification candidates will enroll and pass INED 4391 – Laboratory Management.

Findings Description:

During the 2022-2023 academic year, INED 4391 had 0 students enrolled.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Develop a system of student management.
2. Develop a system of supervised learning experiences that will ensure effective student use of time.
3. Develop a system of record keeping.
4. Develop a plan for teaching safety.
5. Arrange layout of shop/lab to simulate an occupational environment.
6. Establish a system for repair, maintenance, and replacement of tools and equipment (purchasing, budgeting, and projection).
7. Develop a plan to organize and implement youth leadership development activities as an integral part of the instructional program.
8. Develop a public relations program.

Required Assignments and Grading:

1.Lab Management	100 points
Paper	
2.Module Reflections	50 points
3.Online Assignments & Discussions	250 points
4.Midterm Exam	50points
5.Second Exam	50 points
<i>Total</i>	<i>500 Points</i>

Final Grade (Based on a total of 700 possible points)

A= 450 – 500 points

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RELATED ITEM LEVEL 3

Laboratory Management

Action Description:

Continue assessment and development practices in Laboratory Management to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 2

Methods of Teaching Industrial Subjects

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of the Methods of Teaching Industrial Subjects by learning the insights into the philosophy, objectives, course content, organization, special methods of instruction, evaluation, administration safety, record keeping, and innovations of industrial arts in the public school system.

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4. Select or prepare a computer-assisted instructional program.
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7. Develop instructional posters
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9. Research and demonstrate any instructional technology
10. Create web 2.0 presentation
11. Use free website services to create a website for their course
12. Create a review game to be used for a lesson in their course
13. Create a video
14. Select a CRISS or SIOP based learning technique to create a best teaching practice instructional aid.

1. Required Assignments and Grading:

1.Module 1	200 points
2.Module 2	50 points
3.Module 3	150 points
4.Module 4	50 points
5.Module 5	50 points
<i>Total</i>	<i>500 Points</i>

Final Grade (Based on a total of 500 possible points)

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RELATED ITEM LEVEL 3

Methods of Teaching Industrial Subjects

Action Description:

Continue assessment and development practices in Preparation of Instructional Materials to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 2

Occupational Human Relations in Career and Technical Education

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of Occupational Human Relations in Career and Technical Education by learning to establish and maintain effective relationships with students, co-workers, other school personnel, industry, and persons in community. Principles and skills in working with people will be developed through a study of: advantages of the principles of learning, influences of heredity and environment, basic wants and needs, motivational factors, development of positive attitudes, teacher-student relationship, leadership development, and elements of effective communication. A study of techniques of identifying and arriving at probable solutions on human relations will be emphasized. This course includes a study of techniques of identifying and arriving at probable solutions for providing all students equal access to vocational program offerings.

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- 100% Trade and Industrial Certification candidates will enroll and pass INED 4310 – Occupational Human Relations.

Findings Description:

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Course Objectives:

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7. Develop a plan to organize and implement youth leadership development activities as an integral part of the instructional program.
8. Develop a public relations program.

Required Assignments and Grading:

1.Lab	Management	100 points
Paper		
2.Module Reflections		50 points
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4.Midterm Exam		50points
5.Second Exam		50 points
	Total	500 Points

Final Grade (Based on a total of 700 possible points)

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RELATED ITEM LEVEL 3

Occupational Human Relations in Career and Technical Education

Action Description:

Continue assessment and development practices in Laboratory Management to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 1

Develop Trade and Industrial Educational Instruction

Learning Objective Description:

Trade and Industrial Certification candidates will analyze and develop custom instructional practices within Trade and Industrial Education tailored to their aligned training program.

RELATED ITEM LEVEL 2

Laboratory Management

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Trade and Industrial Certification candidates will develop knowledge of Laboratory Management by properly organizing and managing learning situations in the classroom or laboratory, to include concepts such as: planning and organizing instructional facilities for effective learning; establishing record keeping systems; establishing systems to account for tools, equipment, materials, and supplies;

utilizing organization, rotation, and progress charts; principles of class management, including directing, controlling, and supervising learning activities; and development of organizational, management, and safety plans to ensure acquisition of essential skills, knowledge, and desirable attitudes by students.

Criterion Description:

100% Trade and Industrial Certification candidates will enroll and pass INED 4391 – Laboratory Management.

Findings Description:

During the 2022-2023 academic year, INED 4391 had 0 students enrolled.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Develop a system of student management.
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RELATED ITEM LEVEL 3

Laboratory Management

Action Description:

Continue assessment and development practices in Laboratory Management to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 2

Methods of Teaching Industrial Subjects

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of the Methods of Teaching Industrial Subjects by learning the insights into the philosophy, objectives, course content, organization, special methods of instruction, evaluation, administration safety, record keeping, and innovations of industrial arts in the public school system.

Criterion Description:

- 100% Trade and Industrial Certification candidates will enroll and pass INED 4364 – Methods of Teaching Industrial Subjects.
- 100% Trade and Industrial Certification candidates will INED 4363 – Preparation of Instructional Materials.

Findings Description:

During the 2022-2023 academic year, INED 4364 had 1 student enrolled, and earned a passing grade.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Locate, review, evaluate, and secure instructional materials for use in teaching a specific vocational course.
2. Know the different types of instructional aids used in the classroom.
3. Select, obtain, or prepare teaching aids to enhance instructional effectiveness.
4. Select or prepare a computer-assisted instructional program.
5. Understand the required essential knowledge and skills common to all career and technology education programs and their own specific program area(s).
6. Develop slide presentations.
7. Develop instructional posters
8. Prepare information sheets for use in teaching related information lessons.
9. Research and demonstrate any instructional technology
10. Create web 2.0 presentation
11. Use free website services to create a website for their course
12. Create a review game to be used for a lesson in their course
13. Create a video
14. Select a CRISS or SIOP based learning technique to create a best teaching practice instructional aid.

1. Required Assignments and Grading:

1.Module 1	200 points
2.Module 2	50 points
3.Module 3	150 points
4.Module 4	50 points
5.Module 5	50 points
<i>Total</i>	<i>500 Points</i>

Final Grade (Based on a total of 500 possible points)

A= 450 – 500 points

D= 300 – 349 points

B= 400 – 449 points

F= 000 – 299 points

C= 350 – 399 points

RELATED ITEM LEVEL 3**Methods of Teaching Industrial Subjects****Action Description:**

Continue assessment and development practices in Preparation of Instructional Materials to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 2**Occupational Human Relations in Career and Technical Education****Indicator Description:**

Trade and Industrial Certification candidates will develop knowledge of Occupational Human Relations in Career and Technical Education by learning to establish and maintain effective relationships with students, co-workers, other school personnel, industry, and persons in community. Principles and skills in working with people will be developed through a study of: advantages of the principles of learning, influences of heredity and environment, basic wants and needs, motivational factors, development of positive attitudes, teacher-student relationship, leadership development, and elements of effective communication. A study of techniques of identifying and arriving at probable solutions on human relations will be emphasized. This course includes a study of techniques of identifying and arriving at probable solutions for providing all students equal access to vocational program offerings.

Criterion Description:

- 100% Trade and Industrial Certification candidates will INED 4379 – Occupational Analysis and Curriculum Development.
- 100% Trade and Industrial Certification candidates will enroll and pass INED 4310 – Occupational Human Relations.

Findings Description:

During the 2022-2023 academic year, INED 4310 had 9/10 students enrolled and earn a passing grade.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Develop a system of student management.
2. Develop a system of supervised learning experiences that will ensure effective student use of time.
3. Develop a system of record keeping.
4. Develop a plan for teaching safety.
5. Arrange layout of shop/lab to simulate an occupational environment.
6. Establish a system for repair, maintenance, and replacement of tools and equipment (purchasing, budgeting, and projection).
7. Develop a plan to organize and implement youth leadership development activities as an integral part of the instructional program.
8. Develop a public relations program.

Required Assignments and Grading:

1.Lab Management	100 points
Paper	
2.Module Reflections	50 points
3.Online Assignments & Discussions	250 points
4.Midterm Exam	50points
5.Second Exam	50 points
<i>Total</i>	<i>500 Points</i>

Final Grade (Based on a total of 700 possible points)

A= 450 – 500 points

D= 300 – 349 points

B= 400 – 449 points

F= 000 – 299 points

C= 350 – 399 points

RELATED ITEM LEVEL 3

Occupational Human Relations in Career and Technical Education

Action Description:

Continue assessment and development practices in Laboratory Management to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 1

Successful T&I/CTE instructor

Learning Objective Description:

- demonstrate personal characteristics of the successful T&I/CTE instructor;
- demonstrate professional qualities of the successful T&I/CTE instructor;
- demonstrate instructional strategies to enhance student achievement and growth in the T&I/CTE environment.

RELATED ITEM LEVEL 2

Laboratory Management

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of Laboratory Management by properly organizing and managing learning situations in the classroom or laboratory, to include concepts such as: planning and organizing instructional facilities for effective learning; establishing record keeping systems; establishing systems to account for tools, equipment, materials, and supplies; utilizing organization, rotation, and progress charts; principles of class management, including directing, controlling, and supervising learning activities; and development of organizational, management, and safety plans to ensure acquisition of essential skills, knowledge, and desirable attitudes by students.

Criterion Description:

100% Trade and Industrial Certification candidates will enroll and pass INED 4391 – Laboratory Management.

Findings Description:

During the 2022-2023 academic year, INED 4391 had 0 students enrolled.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Develop a system of student management.
2. Develop a system of supervised learning experiences that will ensure effective student use of time.
3. Develop a system of record keeping.
4. Develop a plan for teaching safety.
5. Arrange layout of shop/lab to simulate an occupational environment.
6. Establish a system for repair, maintenance, and replacement of tools and equipment (purchasing, budgeting, and projection).
7. Develop a plan to organize and implement youth leadership development activities as an integral part of the instructional program.
8. Develop a public relations program.

Required Assignments and Grading:

1.Lab Management	100 points
Paper	
2.Module Reflections	50 points
3.Online Assignments & Discussions	250 points
4.Midterm Exam	50points
5.Second Exam	50 points
Total	500 Points

Final Grade (Based on a total of 700 possible points)

A= 450 – 500 points	D= 300 – 349 points
B= 400 – 449 points	F= 000 – 299 points

C= 350 – 399 points

RELATED ITEM LEVEL 3

Laboratory Management

Action Description:

Continue assessment and development practices in Laboratory Management to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 2

Methods of Teaching Industrial Subjects

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of the Methods of Teaching Industrial Subjects by learning the insights into the philosophy, objectives, course content, organization, special methods of instruction, evaluation, administration safety, record keeping, and innovations of industrial arts in the public school system.

Criterion Description:

- 100% Trade and Industrial Certification candidates will enroll and pass INED 4364 – Methods of Teaching Industrial Subjects.
- 100% Trade and Industrial Certification candidates will INED 4363 – Preparation of Instructional Materials.

Findings Description:

During the 2022-2023 academic year, INED 4364 had 1 student enrolled, and earned a passing grade.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Locate, review, evaluate, and secure instructional materials for use in teaching a specific vocational course.
2. Know the different types of instructional aids used in the classroom.
3. Select, obtain, or prepare teaching aids to enhance instructional effectiveness.
4. Select or prepare a computer-assisted instructional program.
5. Understand the required essential knowledge and skills common to all career and technology education programs and their own specific program area(s).
6. Develop slide presentations.
7. Develop instructional posters
8. Prepare information sheets for use in teaching related information lessons.
9. Research and demonstrate any instructional technology
10. Create web 2.0 presentation
11. Use free website services to create a website for their course
12. Create a review game to be used for a lesson in their course
13. Create a video
14. Select a CRISS or SIOP based learning technique to create a best teaching practice instructional aid.

1. Required Assignments and Grading:

1.Module 1	200 points
2.Module 2	50 points
3.Module 3	150 points
4.Module 4	50 points
5.Module 5	50 points
Total	500 Points

Final Grade (Based on a total of 500 possible points)

A= 450 – 500 points

D= 300 – 349 points

B= 400 – 449 points

F= 000 – 299 points

C= 350 – 399 points

RELATED ITEM LEVEL 3

Methods of Teaching Industrial Subjects

Action Description:

Continue assessment and development practices in Preparation of Instructional Materials to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 2

Occupational Human Relations in Career and Technical Education

Indicator Description:

Trade and Industrial Certification candidates will develop knowledge of Occupational Human Relations in Career and Technical Education by learning to establish and maintain effective relationships with students, co-workers, other school personnel, industry, and persons in community. Principles and skills in working with people will be developed through a study of: advantages of the principles of learning, influences of heredity and environment, basic wants and needs, motivational factors, development of positive attitudes, teacher-student relationship, leadership development, and elements of effective communication. A study of techniques of identifying and arriving at probable solutions on human relations will be emphasized. This course includes a study of techniques of identifying and arriving at probable solutions for providing all students equal access to vocational program offerings.

Criterion Description:

- 100% Trade and Industrial Certification candidates will INED 4379 – Occupational Analysis and Curriculum Development.
- 100% Trade and Industrial Certification candidates will enroll and pass INED 4310 – Occupational Human Relations.

Findings Description:

During the 2022-2023 academic year, INED 4310 had 9/10 students enrolled and earn a passing grade.

Course Objectives:

Students involved in this course will be expected to achieve the following objectives:

1. Develop a system of student management.
2. Develop a system of supervised learning experiences that will ensure effective student use of time.
3. Develop a system of record keeping.
4. Develop a plan for teaching safety.
5. Arrange layout of shop/lab to simulate an occupational environment.
6. Establish a system for repair, maintenance, and replacement of tools and equipment (purchasing, budgeting, and projection).
7. Develop a plan to organize and implement youth leadership development activities as an integral part of the instructional program.
8. Develop a public relations program.

Required Assignments and Grading:

1.Lab	Management	100 points
Paper		
2.Module Reflections		50 points
3.Online Assignments & Discussions		250 points
4.Midterm Exam		50points
5.Second Exam		50 points
	Total	500 Points

Final Grade (Based on a total of 700 possible points)

A= 450 – 500 points

D= 300 – 349 points

B= 400 – 449 points

F= 000 – 299 points

C= 350 – 399 points

RELATED ITEM LEVEL 3

Occupational Human Relations in Career and Technical Education

Action Description:

Continue assessment and development practices in Laboratory Management to foster the development of Industrial Technology Education knowledge and skills

RELATED ITEM LEVEL 1

Performance Objective

Performance Objective Description:

80% will take and pass the Texas Examinations of Educator Standards™ (TExES™) Program Pedagogy and Professional Responsibilities for Trade and Industrial Education 6–12 (PPR 270).

RELATED ITEM LEVEL 2

KPI

KPI Description:

The indicator is the employment rate these program completers have and that they remain in the field of teaching for more than three (3) years. The data collection will be based from voluntary survey request sent to students annually to their school district email where they are employed.

Target Description:

Employment rate upon completion of the program completers is 50% or more and 70% will remain in the field of teaching for more than three (3) years.

Results Description:

During the 2022-23 academic year, no students completed all of the courses in order to qualify to take the TExES exam. No data is collected.

RELATED ITEM LEVEL 3

KPI

Action Description:

Continue assessment and development practices in INED Curriculum Development to foster the development of Industrial Technology Education knowledge and skills

Update to Previous Cycle's Plan for Continuous Improvement Item

Previous Cycle's Plan For Continuous Improvement (Do Not Modify):

Closing Summary

The recommendation is to continue to market the program for trades and industrial certification explaining the benefits of earning a bachelors over just a teaching certification.

Update of Progress to the Previous Cycle's PCI:

The recommendation is to continue to market the program for trades and industrial certification explaining the benefits of earning a bachelors over just a teaching certification.

New Plan for Continuous Improvement Item

Closing Summary:

The recommendation is to continue to market the program for trades and industrial certification explaining the benefits of earning a bachelors over just a teaching certification.