

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:

No findings to report since no course for this minor was taught during the 2023~2024 academic year.

RELATED ITEM LEVEL 3

Laboratory Management

Action Description:

No action was taken since no course for this minor was taught during the 2023~2024 academic year.

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:

No findings to report since no course for this minor was taught during the 2023~2024 academic year.

RELATED ITEM LEVEL 3

Methods of Teaching Industrial Subjects

Action Description:

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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:

No findings to report since no course for this minor was taught during the 2023~2024 academic year.

RELATED ITEM LEVEL 3

Occupational Human Relations in Career and Technical Education

Action Description:

No action was taken since no course for this minor was taught during the 2023~2024 academic year.

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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RELATED ITEM LEVEL 3

Occupational Human Relations in Career and Technical Education

Action Description:

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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

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Occupational Human Relations in Career and Technical Education

Action Description:

No action was taken since no course for this minor was taught during the 2023~2024 academic year.

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:

No results report since no course for this minor was taught during the 2023~2024 academic year.

RELATED ITEM LEVEL 3

KPI

Action Description:

No action was taken since no course for this minor was taught during the 2023~2024 academic year.

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

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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:

No update to report since no course for this minor was taught during the 2023~2024 academic year.

New Plan for Continuous Improvement Item

Closing Summary:

Faculty teaching courses for this minor will review the course setup and develop strategies to explore the measures to recruit students for this minor.