

Department of Industrial Education

Contact Information

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Introduction

The Department of Industrial Education was founded in 1953. The department is the first official educational institute established to cultivate teachers for technical and vocational schools and teachers for industrial arts curriculums in middle schools. At present, there is one class in each year of the undergraduate program, one class per focus area in the master's program, one class in the doctoral program, and two classes in the in-service master's program. Our student class is around 400 and our staff numbers around 13.



Instructional Objectives

The undergraduate program specializes in cultivating staff and future teachers in 1) Power Mechanical Engineering, or 2) Electrical Engineering and Electronic Engineering. Starting in the Fall of 2025, recruitment began for the Government Sponsored Undergraduate Program, cultivating prospective faculties for Technological Vocational High Schools. The master's program aims to cultivate professional personnel in 1) Technological Vocational Education, and 2) Technology Management. The doctoral program aims to cultivate professional personnel in Administrative Management for Technological Vocational Education and Course Teaching. The In-Service Master's program aims to provide further education and cultivate professional personnel in 1) Technological Vocational Education, and 2) Technological Management.

Degree Requirements

The department provides basic courses to develop students' professional and foundational literacy, with the learning objectives being analysis, independent thinking, problem-solving, and innovation. The department also provides pragmatic and practical professional courses, to improve students' practical skills, as well as design and management planning skills. All courses are expected to shape students' outlook and build positive working attitudes. We look to nurture future talent in various fields such as engineering, practice, research and development, management, design, and education.

Feature of the Curriculum

Courses include Studies in Policy and Law of Technological and Vocational Education, Curriculum Development, Competency Analysis, Teaching Materials and Methods in Power Mechanical Engineering Group/ Electrical and Electronic Group, Industrial Analysis and Competitive Strategies, Technology Management, and Applying Artificial Intelligence on Technological and Vocational Education. The department also offers Graduate Program in English for the doctoral program.

Career Prospects

The goal of the department is to nurture technological and vocational education (TVE) administrative personnel, teachers and faculty, professional staff in various fields, as well as technological management professionals and personnel.

