

# 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 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 in total, and our staff numbers around 19.



## Instructional Objectives

The undergraduate program specializes in cultivating staff and future teachers in the areas of 1) Power Mechanical Engineering, or 2) Electrical Engineering and Electronic Engineering. The master's program aims to cultivate professional personnel in the areas of 1) Energy Applications, 2) Mechanical Applications, 3) Technological Vocational Education, and 4) Technology Management. The doctoral program aims to cultivate professional personnel in the fields of 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 the area of Administrative Management for Technological Vocational Education and Technology Management.

## Degree Requirements

The department provides basic courses in order to develop students' professional and foundational literacy, with the learning objectives being analysis, independent thinking, problem solving, and innovation. The department also provides professional courses which are pragmatic and practical, with the objective of improving 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, Special Topics in Technological Vocational Education in European and American Countries Enterprise Practice, Studies in Assessment of Technological Vocational Education, Electric Vehicle Technology, Competency Analysis, Teaching Materials and Methods: Power Mechanical Engineering Group, Teaching Materials and Methods: Electrical and Electronics Group, and Training for Professional Techniques.

## Career Prospects

The goal of the Department of Industrial Education is to nurture Technological Vocational Education (TVE) administrative personnel, professional faculty, and technical staff in various related fields.

