

# Undergraduate Program of Electro-Optical Engineering

## Contact Information

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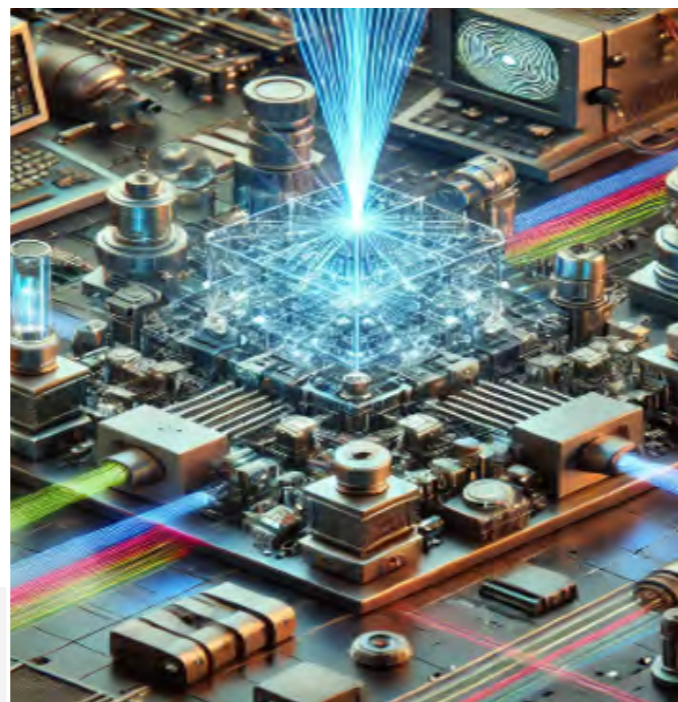
## Introduction

The Institute of Optical Engineering (IEO) at National Taiwan Normal University (NTNU) launched its master's program under the College of Science in 2001, followed by the establishment of its doctoral program in 2005. In 2018, the institute was transferred to the College of Technology and Engineering, where it also introduced a bachelor's degree program for undergraduate students.

The programs provide a broad foundation in the basic sciences and include courses and research projects in photonics and optics. Through these academic and research activities, students develop independent research capabilities, teamwork skills, and leadership qualities. Graduates are encouraged to pursue advanced degrees or enter related industries directly, and student performance has consistently been outstanding.

The institute currently has 10 full-time faculty members, including 3 chair professors. Faculty members have demonstrated strong achievements in journal publications, research projects, patents, and industry-university collaboration.

The institute's research focuses on two main areas: (1) Novel Semiconductor Devices and Materials Engineering (Semiconductor Division), and (2) Intelligent Systems Engineering (AI Systems Division).

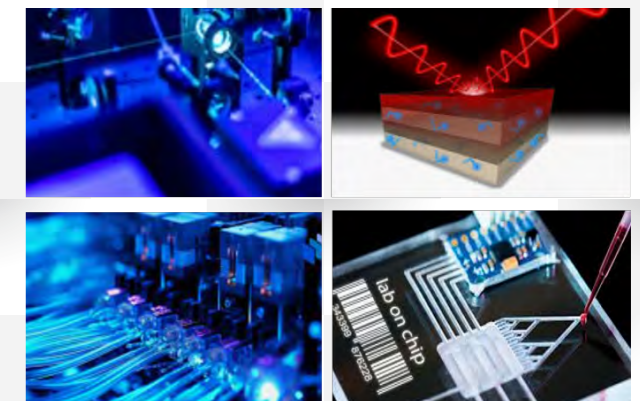


## Instructional Objectives

1. Cultivate professionals in optoelectronic technology to meet the needs of society.
2. Develop students' ability to think independently and lay the foundation for lifelong learning.
3. Cultivate students' professional ethics attitude, have an international outlook and a belief in serving the society.

## Degree Requirements

Required courses		Elective courses		Minimum Total Credits for Graduation
Common Courses Credit(s)	Required Credit(s)	Elective Credit(s)	Free Elective Credit(s)	
32	53	22	21	128



## Feature of the Curriculum

Our curriculum is designed in the development trend of the industry and the demand of the optoelectronic industry, and aims to meet the needs of the industry by research and development of high-tech application technology.

## Development

Our students have many options for career development.

1. Industry opportunities: After graduation, he or she can work as a photoelectric engineer in a private company or a public company. Major employers include Epi star, AUO, etc.
2. Teaching opportunities: Students may take courses offered by the department for accreditation to teach physics or teach in vocational high schools of various disciplines.
3. Studying for a master's degree: Institute of Electro-Optical Engineering (IEO) at NTNU, or Institute of Optoelectronics at Taiwan and abroad.



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