College of Industry Academia Innovation

Introduction

The College of Industry Academia Innovation offers diverse academic research, skill development, and industry internships. Integrating fields and fostering collaboration, it aligns education with practical needs, enhancing student competitiveness and fostering innovative talent. The establishment of AI and Green Energy Institutes enhances academia-industry cooperation, investing in applied research and talent, making National Taiwan Normal University an industrial innovation partner.

Instructional Objectives

The College of Industry Academia Innovation bridges academia and industry, promoting "learning by doing" through interdisciplinary education. It establishes a systematic collaboration between academic and industrial sectors, facilitating joint investment in forward-looking research and talent development.

Degree Requirements

The AI (Master's and Ph.D.) Program

The teaching and research areas include deep learning, AI system platforms, image processing and analysis, computer vision, natural language processing, intelligent display technology, smart IoT technology, smart manufacturing technology, smart robotics.

Green Energy (Master's and Ph.D.)

The teaching and curriculum cover a wide range of topics, starting from foundational studies on emerging energy materials, nanodevices, optoelectronic components, to renewable energy, alternative fuels (biodiesel), new-generation alternative energy sources (solar and cold nuclear fusion), energy-saving technologies, smart grid systems.

Features of the Curriculum

Our program emphasizes foresight and interdisciplinary methodologies, aligning with industry market and R&D demands. We integrate diverse professional fields into our curriculum and facilitate interactive teaching with industry experts. Concurrent teaching by multiple instructors fosters innovative content. Beyond technical skills, we cultivate students' interdisciplinary learning and communication abilities. Master's degree students must fulfill 24 credits for graduation, while doctoral degree students need 18 credits to graduate.

Career Prospects

Our college prioritizes developing students' professional skills to meet the development needs of the nation's key industries. Through industry-academic collaboration projects and internships, students actively engage during their academic terms. Graduates are sought after for further studies in AI and green energy fields and are highly sought after by industries in these areas.

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Education
Liberal Arts
Science
Arts
Technology and Engineering
Sports and Recreation
International Studies and Social Sciences
Music
Management