



IDALIS VILLANUEVA ALARCÓN, PH.D.

DEPARTMENT CHAIR,
ASSOCIATE PROFESSOR

Founded in 2019, the University of Florida's Department of Engineering Education (EEd) in the Herbert Wertheim College of Engineering specializes in interdisciplinary engineering research focused on emerging and effective methods for teaching, learning and the professional development of engineers.

Our faculty design and teach large-enrollment undergraduate and graduate engineering courses spanning multiple majors and disciplines.

The department is at the forefront of educational technologies, generative artificial intelligence, methodologies and human development innovation.

RESEARCH AREAS

Technology-Enhanced Education

Considers the use of technology, such as cellphones, apps, virtual reality, artificial intelligence and serious educational games, to enhance students' educational experiences.

Processes and Thinking

Focuses on how learners use human-centered, solution-focused approaches to solve complex engineering problems. This includes cognitive, affective and behavioral processes.

Engineering Pathways

Evidence gathering and analysis of factors that affect student entry into engineering, the educational pathways they follow and the employment choices they make after graduation. An additional component involves modeling and predicting the future of the engineering workforce.

Mentoring and Support

Examines the professional and educational alliances, formed formally or informally, that support engineering career progression.

Formation of Engineers

Explores the formal and informal processes and value systems across the educational life span, from cradle to grave, through which individuals become engineers.

Research Methods and Approaches

Focuses on the development, validation and use of interdisciplinary and multidisciplinary research tools, approaches and methods to study engineering education and a number of workforce issues.

FACTS & FIGURES

7,937

TOTAL NUMBER OF ENGINEERING STUDENTS TAUGHT IN 2025

255

SCHOLARSHIPS GENERATED TO DATE

69

INNOVATIVE COURSE TECHNIQUES

71

NATIONAL & INTERNATIONAL AWARDS

18

COMMUNITY PROGRAMS & INITIATIVES

15

INNOVATIVE COURSE TOOLS & PROGRAMS

1,014

FIRST-YEAR STUDENTS TAKING ENGINEERING DESIGN & SOCIETY COURSE EACH YEAR

Ph.D. Program

LAUNCHED IN 2023, THE PROGRAM'S GOAL IS TO PREPARE THE NEXT GENERATION OF LEADERS IN ENGINEERING EDUCATION AND RESEARCH. IT CURRENTLY HAS 11 STUDENTS AND CONTINUES TO GROW.

IPPD

Integrated Product & Process Design

AN EXPERIENTIAL EDUCATION PROGRAM IN WHICH INTERDISCIPLINARY ENGINEERING TEAMS OF SENIOR-LEVEL UNDERGRADUATES AND GRADUATE STUDENTS WORK FOR TWO SEMESTERS UNDER THE GUIDANCE OF A FACULTY EXPERT TO DESIGN, BUILD AND TEST PROJECTS FOR INDUSTRIAL SPONSORS.

123

UNDERGRAD STUDENTS

28

GRADUATE STUDENTS

24

TOTAL PROJECTS

18

INDUSTRY SPONSORS

12

ENGINEERING PROGRAMS

IPPD.UFL.EDU

*Numbers above reflect the 2025-26 academic year

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