

UNIVERSITY AND COLLEGE RANKINGS

#1

Nation's Workforce Supplier to Aerospace and Defense Industry
—2020 Aviation Week Network

#2

Nation's Preferred Workforce Supplier to Aerospace and Defense Industry
—2020 Aviation Week Network

#5

National Rank in Transportation Science and Technology; #29 in World
—2020 ShanghaiRanking's Global Ranking of Academic Subjects

#1

In Florida for Number of 2020 NSF CAREER Awards

#1

World Champs in Computer Vision
—U.S. Dept. of Commerce's Activities in Extended Video Challenge 2020

#2

CyberForce Competition
—U.S. Department of Energy 2020

#3

North America, Competitive Computer Programming
—ICPC North America Championship 2020



UCF College of Engineering and Computer Science FAST FACTS 2020-21

Unless otherwise indicated, figures are for Fall 2020.

► **Enrollment**

Fall 2020 (preliminary)

Total	13,166
Undergraduate	11,307
Graduate	1,859

► **Freshman Class Profile**

Summer/Fall 2019

Total Incoming Freshmen	1,851
	General Honors
Avg. SAT Score:	1308 1467
Avg. ACT Score:	29.3 33
Avg. High School GPA:	4.10 4.45

(weighted)

National Merit Scholars	146
New	38
Returning	108

► **Diverse Student Population**

Undergraduate Diversity

African-American: 7%
Asian: 9.7%
Hispanic: 28.3%
International: 4.75%



Female 19.5%

Graduate Diversity

African-American: 5.3%
Asian: 7.1%
Hispanic: 16.6%
International: 33.1%



Female 25.8%

► **Student Support**

115+ teaching assistant positions

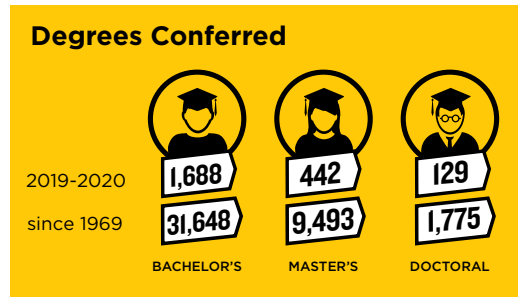
355+ research assistant positions

\$231,500 in college scholarships awarded to students in 2019-2020

STEM retention programs: stem.ucf.edu/stem-programs-at-ucf

eli² - innovative leadership development for students: cecs.ucf.edu/eli2

L3Harris Evaluation and Efficiency Testing Center for tutoring and testing (ENG II, 2nd floor)



► **Faculty and Staff**

Total	469
Professors	66
Associate Professors	49
Assistant Professors	61
Lecturers/Instructors	32
Post Docs/Adjuncts	96
Research Associates	4
Other	1
FT Staff	97
PT Staff (non-student)	63

► **Degree Programs**

- Aerospace Engineering, B.S., M.S., Ph.D.
- Biomedical Engineering, M.S.
- Civil Engineering, B.S., M.S., Ph.D.
- Computer Engineering, B.S., M.S., Ph.D.
- Computer Science, B.S., M.S., Ph.D.
- Computer Vision, M.S.
- Construction Engineering, B.S.
- Cyber Security and Privacy, M.S.
- Data Analytics, M.S.
- Digital Forensics, M.S.
- Electrical Engineering, B.S., M.S., Ph.D.
- Engineering Management, M.S.
- Environmental Engineering, B.S., M.S., Ph.D.
- Industrial Engineering, B.S., M.S., Ph.D.
- Information Technology, B.S.
- Materials Science and Engineering, B.S., M.S., Ph.D.
- Mechanical Engineering, B.S., M.S., Ph.D.
- Modeling and Simulation, M.S., Ph.D.
Joint program with UCF College of Graduate Studies
- Photonics Science and Engineering, B.S.
Joint program with UCF College of Optics and Photonics
- Systems Engineering, M.S.
- Travel Technology and Analytics, M.S.
Joint program with UCF Rosen College of Hospitality Management

Graduate offerings include specialty tracks, online degree programs and 12 certificates.

► **Departments**

- Civil, Environmental and Construction Engineering
- Computer Science
- Electrical and Computer Engineering
- Industrial Engineering and Management Systems
- Materials Science and Engineering
- Mechanical and Aerospace Engineering

► **CECS Alumni**



College of Engineering and Computer Science

For more information, visit cecs.ucf.edu



► Faculty Honors

- 8 National Academy of Engineering members
 - 7 National Academy of Inventors members
 - 10 American Association for the Advancement of Science fellows
 - 2 American Society for Engineering Education fellows
 - 1 U.S. Jefferson Science Fellow
 - 5 American Society of Civil Engineers fellows
 - 4 American Society of Mechanical Engineers fellows
 - 3 ASM International fellows
 - 2 Association of Computing Machinery fellows
 - 18 Institute of Electrical and Electronics Engineers fellows
 - 2 Institute of Industrial and Systems Engineers fellows
 - 1 Institute of NanoTechnology fellow
 - 2 SPIE (International Society for Optics and Photonics) fellows
- Early Career Awards*
- 27 NSF CAREER awardees
 - 15 additional Early Career/ Young Investigator awardees

\$50.59 M

College of Engineering & Computer Science
Research Funding
(FY 2020)

► Research

	New Funding	Expenditures
FY'18	\$50.68 million	\$32.83 million
FY'19	\$50.46 million	\$36.88 million
FY'20	\$50.59 million	\$37.29 million

Engineering Leadership & Innovation Institute at UCF

Industry needs tomorrow's engineering and technology leaders. The programs of eli² enable and inspire students' emergence as leaders focused on collaboration, creativity, innovation and accountability. Leadership development programs include the Leadership in Engineering course; Leaders Up Close seminar series; Student Leaders team; Engineering Leadership minor or certificate; development circles with industry mentors, and more.



Maker Space Lab Complex

A resource provided by eli², the complex is located in the Engineering II building on campus and is available to the entire UCF community. It offers students a dedicated area to gather and collaborate, generate creative ideas, vet those ideas, then build and fine-tune working prototypes, all in one convenient place that allows for easy movement between labs.

- L3Harris Partnership Atrium
- Idea Lab
- Texas Instruments Innovation Lab
- Manufacturing Lab

See cecs.ucf.edu/eli2 to learn more.

► Facilities

Engineering I.....	130,885 ft ²
Engineering II.....	105,545 ft ²
L3Harris Engineering Center	113,866 ft ²
Siemens Energy Center	10,000 ft ²
MAE Research Facility	4,000 ft ²

Learning Laboratories

- Lockheed Martin Cyber Innovation Lab
- Siemens Digital Grid Lab

► Central Florida Research Park

- Adjacent to UCF
- 145 companies that provide co-ops, jobs, research partnerships, and internships.

- Approximately 10,000 employees
- The nation's epicenter for computer modeling, simulation and training
- Nation's 7th largest research park

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youtube.com/c/UCFCollegeofEngineeringComputerScience | instagram.com/ucfcecs

► University Research Faculty Clusters

The clusters advance UCF's unique research strengths and foster interdisciplinary teams to solve today's toughest scientific and societal challenges. See ucf.edu/research/faculty-clusters/ for detailed information.

- Bionix
- Cyber Security and Privacy
- Disability, Aging and Technology
- Genomics and Bioinformatics
- Learning Sciences
- Renewable Energy and Chemical Transformation
- Resilient, Intelligent and Sustainable Energy Systems
- Sustainable Coastal Systems
- Violence Against Women

► Research Center Partners

- Advanced Materials Processing and Analysis Center
- Biomolecular Science Center
- Center for Research and Education in Optics and Lasers
- Florida Photonics Center of Excellence
- Florida Solar Energy Center
- Florida Space Institute
- Institute for Simulation and Training
- NanoScience Technology Center
- National Center for Forensic Science
- Townes Laser Institute

► 50+ Years of Growth

Enrollment From a few hundred students in 1968, to 13,000+ in 2020.

Research From the first award of \$12,500 from NASA, to more than \$50 million in funding from local, state, federal and industry sources in 2020.

Dean
Michael Georgiopoulos, Ph.D.

Dean's Advisory Board
Daniel Schiappa, '87-'90
Board Chair/Executive VP, Sophos

Representing businesses, government agencies and academia, the board provides strategic direction and guidance to the college. See cecs.ucf.edu/about-us/deans-advisory-board/ for more information.

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