



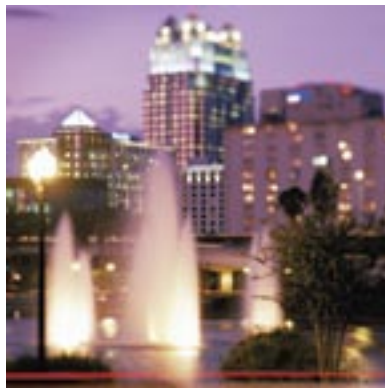
Stands For Opportunity

UCF is the university that seeks opportunities, creates opportunities, and brings them to fruition. The university's culture of opportunity is driven by the people it attracts and serves, its Orlando environment, its history of entrepreneurship, and its youth, relevance, and energy.



A World of Opportunity

UNIVERSITY OF CENTRAL FLORIDA



At UCF, every day is about giving people the opportunity to succeed — to strive for their best and realize their goals.

The University of Central Florida, founded in 1963, has grown to become the second-largest institution in the State University System and the eighth-largest university in the nation. UCF, located in Orlando, Florida, provides nearly unlimited opportunities to more than 45,000 students, offering almost 200 bachelor's and master's degrees and more than two-dozen doctoral programs. UCF students come from every county in Florida, all 50 states and 140 countries. In the summer of 2005, UCF awarded its 150,000th degree.



The computer programming teams have finished in the top three in regional competition for 23 consecutive years.

Kati Blair won one of the nation's largest scholarships from the Jack Kent Cooke Foundation to study art education at Harvard's graduate school.

The Burnett Honors College students were awarded four Goldwater Scholarships, a Madison Scholarship, and a Boren Scholarship. One student was named to *USA Today's* All-Academic Team.

Hans Meyer was selected as the Student Social Worker of the Year for 2005 by the Florida Chapter of the National Association of Social Workers.



Sohang Gandhi was selected by the Society of Physics Students as one of two students nationally to represent the U.S. at the International Conference of Physics Students in Portugal.

Anne Deason, communication student, won the 2004 Clarion Award in the Radio/Television News Directors' annual competition—the only student to win an award in the professional competition.

Roy Perez, English major, received a 2004 Mellon Graduate Fellowship and is currently working on his doctorate at New York University.

Stephanie Bronson was awarded a fellowship from the American Cancer Society to continue her research in that field.

Florida Leader magazine named UCF as the Best Public University Student Government for the second consecutive year.

Ed Davis, theatre major, won the Best Scene Partner Award in a national competition at the 2005 Kennedy Center American College National Theatre Festival.

Political science major Shaun Lara was selected to participate in a 2005 White House Internship in the Office of Strategic Initiatives, which is headed by Karl Rove, deputy chief of staff and senior adviser to the U.S. president.



Radio/TV majors won first place in both radio and television newscast categories at the Florida Associated Press Broadcasters contest.

Volunteer UCF provided 9,000 hours of community service and raised \$42,000 for the Children's Miracle Network during the Dance Marathon; LEAD Scholars contributed more than 15,000 hours of community service, and the Greeks, 14,000 hours, 100,000 pounds of food and \$36,500 to charities.

Team UCF's vehicle was one of 40 teams selected to advance to the semifinal round of the competition by the Defense Advanced Research Projects Agency (DARPA). The winner of the student-designed vehicle cross-country race will be awarded a \$2 million prize.

Scholarship

"I will cherish and honor learning as a fundamental purpose of my membership in the UCF community."

Points of Pride

UCF POINTS OF PRIDE UCF draws from and contributes greatly to the area in which it is located. In just over four decades, UCF has grown into a major metropolitan research institution with new programs that are sensitive to emerging technologies, including nanoscience and nanotechnology, conservation biology, modeling and simulation, and biomolecular sciences.

UCF professors received a record \$103.6 million in research funding exceeding the \$100 million milestone for the first time in the university's history.

Harris Corporation, an international communications technology company headquartered in Central Florida, recently made a \$3 million donation with an additional \$3 million state match that will advance UCF's engineering and computer science research and education of its students for high-tech, high-wage jobs.

The College of Education and the Rosen College of Hospitality Management boast 100 percent employment rates for their graduating students.

UCF's College of Engineering and Computer Science is a leading college for women; 22 percent of its graduates are women, the top 8 percent nationally for bachelor's degrees. The college was in the top 3 percent for the number of bachelor's degrees awarded to Hispanic students.

The College of Education educates more teachers than any other university for the State of Florida. In 2004-05, the college awarded 20 percent of the bachelor's degrees in education in the state.

The Florida High Tech Corridor,

developed to promote technological growth in partnership with education, was initiated by UCF, USE, and Cirent. The University of Florida has recently joined the partnership. The corridor is nationally recognized and has attracted more than 8,000 technological companies.

The UCF College of Optics and Photonics, a graduate college for optical science and engineering education and research, was the first to be established in the U.S.

Mathematics and Science was noted for its academic strengths.

The UCF Technology Incubator was named the 2004 Technology Incubator of the Year by the National Business Incubation Association. The incubator has helped more than 70 start-up companies.

The National Center for Forensic Science at UCF is the home of the world's largest database for ignitable liquids, capable of identifying more than 400 liquid chemicals arsonists might use.



A gift of \$2 million to UCF from John and Carrie Morgridge will support the construction of the Morgridge National Reading Center, which will improve literacy on a national scale. The state will provide \$1.75 million in matching funds.

The Master of Nonprofit Management program was selected to receive the 2005 Curriculum Innovation Award from the American Society for Public Administration last spring.

UCF has the largest Junior Achievement university partnership in the world. The partnership with the worldwide volunteer organization has reached 24,000 children in local at-risk schools with more than a 1,000 UCF students volunteering.

UCF was one of three universities in the nation to receive a Christa McAuliffe Award for Excellence in Teacher Education, which recognizes programs that lead to better achievement by students. The Lockheed Martin/UCF Academy for

Excellence

"I will strive toward the highest standards of performance in any endeavor I undertake."



The College of Business Administration is one of the largest colleges in the nation accredited by the Association to Advance Collegiate Schools of Business.

The Florida Solar Energy Center's research has created one of the nation's largest and strongest solar industries, saving Florida consumers \$30 million in energy costs annually.

The Central Florida Research Park, which is affiliated with UCF, is ranked as one of the top 10 research parks in the nation.

UCF has the largest number of multimedia classrooms of any university in the country.

Optic researchers and students are leading the way in the development of the next generation of computer chip manufacturing, bolstered by a \$24 million donation from Northrop-Grumman.

UCF swept the Atlantic Sun all-sports awards, given to the top men's and women's programs, for the third consecutive year. This year, UCF joins Conference USA.

Service-learning courses served 4,700 students who volunteered 70,500 hours for 440 community partners last year.

The Society for Industrial and Organizational Psychology ranked UCF's Ph.D. program first nationally in research productivity.

UCF has been ranked in the top 25 as one of the most "wired" universities in the country.

UCF By the Numbers

RECORD YEAR

Eighth-largest university in the nation

Largest undergraduate enrollment in the state

Second-highest number of National Merit Scholars in the state

Second-largest producer of bachelor's degrees in the state

Fourth-largest producer of medical school preparatory degrees in the state

Second in the state with on-campus and affiliated housing with nearly 9,000 beds

FIRST TIME IN COLLEGE STUDENTS

Largest, most diverse in history of UCF:

32 percent from UCF's
11 county-service area

34 percent: ethnic minorities

9 percent: out of state

More than \$52 million awarded to Bright Futures students, second largest in the state

More than \$153 million dispersed for student financial aid

TOTAL DEGREES CONFERRED: 150,343

Bachelor's degrees: 123,680

Master's degrees: 24,907

Doctoral degrees: 1,362

Specialist degrees: 394

TOTAL ENROLLMENT 2005: 45,318

Undergraduate: 38,126

Graduate: 7,192

First Time In College and Transfers: 8,166

ECONOMIC DEVELOPMENT

UCF is the sixth-largest employer in the region, providing more than 10,000 jobs.

For every \$100 UCF spends in the community, other businesses spend an additional \$141 in response, for a total expenditure of \$241.

Regional economic impact of almost \$1.7 billion in 2004

UCF and the adjacent Central Florida Research Park have an impact of more than \$2.6 billion and are responsible for the creation of more than 35,000 jobs.



Faculty and Research

UCF FACULTY members go beyond the classroom to mentor, touch and share in the spirit of a true metropolitan university. UCF draws from and proudly contributes greatly to Central Florida. From hospitality to health care, from science to the stage, UCF is a cornerstone in both the region's growth and identity.

ARCHAEOLOGY:

Arlen and Diane Chase have been uncovering Maya secrets at Caracol, an ancient city located deep in the jungle of Belize. Their work has been featured in *The New York Times*, *USA Today*, and on PBS. Since 1985, their work has provided unsurpassed opportunities in the Master's in Liberal Studies and the Maya Studies graduate certificate programs.

HOSPITALITY:

Bill Fisher, professor at the Rosen College of Hospitality Management, received a lifetime achievement in education award from the National Restaurant Association Educational Foundation.

BIOLOGY:

Biologist John Weishampel is creating and studying laser maps of some of the world's threatened rain forests.

Marine biologists are searching for answers behind the decline of coral in the Florida Keys in the hopes of finding solutions for maintaining the critical balance in the world's marine ecosystem.

UCF is the first university in the state to install a green roof. The green roof includes a variety of plants growing on the Student Union,



which is projected to cut energy costs by about 50 percent and extend the life of the roof from 20 to 50 years. UCF received a grant from the Department of Environmental Protection Agency for the project, headed by UCF Arboretum director Martin Quigley.

Clovis Linkous, Florida Solar Energy Center researcher, is working on a long-lasting algae inhibitor that possesses a self-cleaning agent for pools, spas, and fountains. The process was recently patented.

CANCER RESEARCH:

Mark Muller studies anti-cancer drug targets. His team is looking for new approaches for killing tumor cells.

Some of the findings uncovered in Karl Chai's laboratory are being patented and may provide the basis for a new method to detect and treat invasive cancers.

Ratna Chakrabarti's research team is identifying genes responsible for two distinct forms of prostate cancer.

Laurence von Kalm uses fruit fly genetics to discover genes whose human counterparts are involved in prostate, ovarian and kidney cancers.

UCF chemists are designing new drugs that stop uncontrolled cell divisions, a hallmark of cancer, by acting directly on DNA.

CARDIOVASCULAR RESEARCH:

Scientists working with Pappachan Kolattukudy use gene chip technology to identify the genes involved in the inflammatory process



associated with the development of human ischemic heart disease.

CHEMISTRY:

Chemistry researchers are exploring the use of photodynamic therapy in which patients are injected with light-sensitive cancer fighting drugs for skin cancer and early-stage lung cancer.

ENGINEERING, OPTICS AND COMPUTER SCIENCE:

Researcher Peter Delfyett, optics, physics, and electrical and computer engineer, holds the world record for laser data transmission—moving one terabit of data (the equivalent of 25,000 copies of the Bible and three videotapes) in less than a second. He also developed a clock for computer application that rivals the accuracy of an atomic timepiece.

Peter Hancock, who has received funding from the U.S. Army to study how to use simulation and ergonomics to relieve stress on the battlefield, was named a Fellow by the American Psychological Society.

UCF's College of Engineering and Computer Science was a key player in the creation of the first facial reconstruction of ancient Egypt's legendary King Tutankhamun. The



actual facial reconstruction of Tut was done by one of UCF's industrial engineering graduates, and rapid prototyping models were built at the college's rapid prototyping lab.

UCF researchers are studying how humans and robots interact to allow the military to use more robotic air and ground vehicles for safer and more effective operations. The research will help the Army determine the best way to train soldiers to work with robots in the battlefield.

Criminal justice and computer

science experts at UCF developed a system with Orange and Seminole county sherriff's offices and the Florida Department of Law Enforcement that connects computers at law enforcement

agencies. Today, more than 80 agencies across the state are using the system, which has contributed to more than 200 arrests. The White House has identified information sharing as one of the critical foundations for homeland security.

Laser scientist Glenn Boreman uses millimeter-wave radiation to detect plastic land mines that were previously undetectable.

Optics professor Eric Johnson is developing a method for mass producing optical chips that could lead to photon-fueled processors replacing the use of silicon chips for communication devices.

INFECTIOUS DISEASES:

Debopam Chakrabarti is researching the parasite that causes malaria and

the drug-resistance strains, looking to develop new effective anti-malaria drugs.

Pappachan Kolattukudy and his team are seeking novel drug targets for tuberculosis, which has developed resistance to multiple drug treatments.

Saleh Naser's laboratory is investigating Crohn's disease, working to develop a convenient diagnostic test for the causative agent of this disease.

Alexander Cole focuses on the innate ability of humans to resist diseases and individuals who are unable to resist certain nasal infections.

Henry Daniell's laboratory is pioneering a

method that allows for large amounts of vaccines to be created at low cost for serious, often fatal, infectious diseases, such as anthrax, plague and cholera.

Kenneth Teter's research is investigating the molecular events that allow cholera toxin and other bacterial toxins to enter the host cell and identification of targets for therapeutic intervention.

Antonis Zervos is studying the molecular basis of cell death to identify ways to prevent or enhance cell death for therapeutic purposes.

NEURODEGENERATIVE DISEASES:

Kiminobu Sugaya's research focuses on developing therapies for neurodegenerative diseases, such as

Alzheimer's disease and Parkinson's disease.

Yuming Lu is studying the molecular basis of brain injury and repair in some neurological disorders, exploring ways to stimulate cell production for repairing the brain after injury.

Cristina Fernandez-Valle and her team are studying hereditary tumors in the nervous system. Her group is also studying the critical role cells play during development and repair of nerves following injury and disease.

NURSING:

Nursing professors Karen Dennis, Karen Dow, and Emma Brown received funding from the National Institutes of Health to support their various research topics in women's health. Dennis is studying hereditary genes that contribute to obesity with aging women; Dow, who won an Excellence in Breast Cancer Education award in 2004, is studying breast cancer survivors and quality of life; and Brown, who won the 2004 award for Research in Minority Health, focuses on HIV and drug abuse prevention for minorities.



Notable Alumni

- **Tom Ackert**, Director, Orange County Convention Center
- **Michelle Akers Eichenblatt**, 1996 & 2000 Olympic Soccer Team; 1995 & 1999 World Cup
- **James Atchison**, General Manager, SeaWorld Orlando
- **Dick Batchelor**, former State Legislator
- **Kim Berfield**, Florida State House of Representatives
- **John Bersia**, Pulitzer Prize Winner, Writer, *Orlando Sentinel*
- **Todd Bowers**, Senior Vice President, SunTrust
- **Ken Bradley**, CEO Florida Hospital, Winter Park
- **Cari Haught Coats**, former Vice President Marketing/Administration, Orlando Magic, RDV Sports; currently Director of Marketing for CNL
- **Lee Constantine**, Florida Senator
- **Bill Cowles**, Orange County Supervisor of Elections
- **Rich Crotty**, former State Senator; currently Orange County Mayor
- **Daunte Culpepper**, Quarterback, Minnesota Vikings, first UCF #1 draft pick
- **Robert Damron**, PGA Tour
- **Ken Dixon**, CPA; donated naming gift to School of Accounting
- **Russell Doerk**, Executive Vice President, Gooding's Supermarket
- **Ericka Dunlap**, Miss America 2004
- **Alan Eustace**, Vice President, Google
- **Travis Fisher**, Cornerback, St. Louis Rams
- **Tyler Fisher**, first UCF Rhodes Scholar
- **Brian France**, CEO, NASCAR
- **Doug Gabriel**, Wide Receiver, Oakland Raiders
- **Mike Gruttadauria**, Center, Arizona Cardinals/Retired
- **Greg Hanson**, Chief Information Officer, U.S. Senate
- **John Hart**, Executive V.P./General Manager, Texas Rangers
- **Cheryl Hines**, Actress, HBO's *Curb Your Enthusiasm*
- **Karl Hodges**, Vice President Strategic Development, Orlando Regional Healthcare System
- **R. Glen Hubbard**, former chair, U.S. Council of Economic Advisers; currently Dean of Columbia University's Graduate School of Business and Russell L. Carson Professor of Finance and Economics.
- **Jim Hunt**, Vice President/CFO, Walt Disney World Resorts
- **Shawn Jefferson**, Wide Receiver, Detroit Lions/Retired
- **Laurette Koellner**, Executive Vice President, Boeing
- **Walt Komanski**, Orange County Circuit Judge
- **Cliff Kresge**, PGA Tour
- **Charles Lee**, Wide Receiver, Arizona Cardinals
- **Doug Long**, President, Pinnacle Financial Corporation
- **Mike Mabry**, Center, Atlanta Falcons
- **Lisa Maile**, Owner, Lisa Maile Studios
- **Dan Mahurin**, Executive Vice President, SunTrust
- **Nelson Marchioli**, President & CEO, Denny's Corporation
- **Mike Maroth**, Pitcher, Detroit Tigers
- **Mark Miller**, Lead Singer, Sawyer Brown
- **Daniel Myrick**, Writer, Director, Producer, *The Blair Witch Project*
- **Clay Newbill**, Executive Producer, ABC TV
- **Bob Opsahl**, Anchor, WFTV News
- **William Parsons**, Director, Space Shuttle Program, NASA
- **Tico Perez**, Past Chairperson, Greater Orlando Chamber of Commerce; Attorney, Baker & Hostetler
- **Tari Phillips**, WNBA, New York Liberty
- **Roger Pynn**, President, Curley & Pynn Public Relations
- **Larry Reuter**, General Manager, New York City Transit Authority
- **Jose Rodriguez**, Orange County Circuit Judge
- **Angel Ruiz**, President & CEO, Ericsson North America
- **Asante Samuel**, Cornerback, New England Patriots
- **Eduardo Sanchez**, Writer, Director, Producer, *The Blair Witch Project*
- **Denver Stutler**, Secretary of the Florida Department of Transportation
- **Blaine Sweatt**, President, New Development, Darden Restaurants
- **Rick Walsh**, Senior Vice President, Darden Restaurants
- **Al Weiss**, President, Walt Disney World Resorts



THE UNIVERSITY OF CENTRAL FLORIDA is mentioned in more than 700 print and online news stories around the world each month. Over the past year, UCF has been included in more than 400 TV news stories in the Central Florida area.



UCF achieved its highest rating in *U.S. News & World Report's* annual ranking of national universities and was included for the first time in The Princeton Review's *The Best 361 Colleges*.

Science Spectrum magazine named Peter Delfyett, professor of optics, physics, and electrical and computer engineering, as an outstanding black professional in science.

Business Week magazine featured a story about a law enforcement data-sharing system developed at UCF.

Anthropology professor David Jones appeared in the "Quest for Dragons," which aired on The History Channel.

Southern Business & Development named UCF to its list of Ten Great University Partners. The publication

pointed out that MIT listed UCF first in the Southeast in the "current impact rating" of its technology.

UCF and the Central Florida Research Park were featured on Voice of America news, which reaches an estimated worldwide audience of more than 100 million people.

Beverly Rzigalinski's nanomolecular research was featured in *Discover* magazine's annual list of top scientific discoveries and innovations.

National Geographic turned to biology professor James Roth as an expert in a story about arctic foxes.

Vice Provost Joel Hartman described how more online classes can help universities save money for facilities in a *U.S. News & World Report* story.

Trustee Harris Rosen and several College of Education professors were featured in *The Chronicle of Higher Education* profile of Rosen's efforts to help children in Orlando's Tangelo Park neighborhood.

The *Los Angeles Times* quoted Ana Leon of the School of Social Work in a story about the kidnapping of an 11-year-old Sarasota girl.

Stem cell research being conducted by the Burnett College of Biomedical Science researchers was featured in the *Wall Street Journal*.

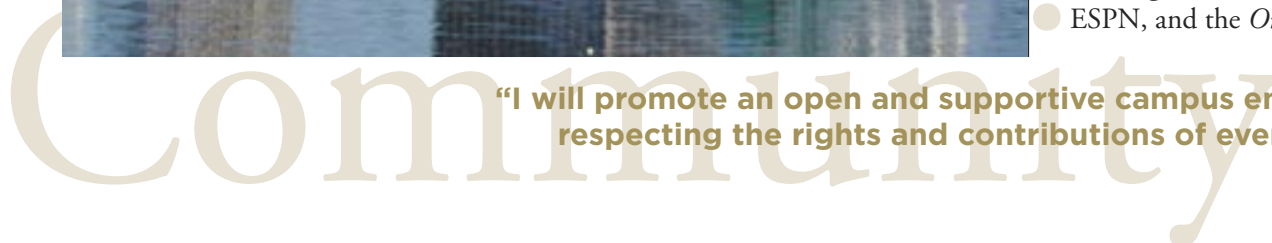
Florida Trend magazine named Eric Van Stryland, dean of the College of Optics and Photonics, as one of the 174 most influential Floridians.

Psychology was ranked eighth in the country in total minority baccalaureate degrees and ninth and 20th in degrees to Hispanics and African Americans by *Black Issues in Higher Education*.

Richard Lapchick, chair of the DeVos Sports Management graduate program in the College of Business Administration, director for UCF's Institute for Diversity and Ethics in Sport, and director for the National Consortium for Academics is often called the "racial conscience of sport" by the national media. He is quoted often by the local and national press, including the *Boston Globe*, *The Washington Post*, the *Baltimore Sun*, ESPN, and the *Orlando Sentinel*.



"I will promote an open and supportive campus environment by respecting the rights and contributions of every individual."



Why UCF? Why Orlando?

UNIVERSITY OF CENTRAL FLORIDA



The need for additional physicians in Florida is well-documented. The annual demand for new physicians in Florida is expected to grow from 2,800 in 2003 to 4,200 in 2021. Florida's need is increasing more rapidly than other states because of our faster growing population and faster growing elderly population.

Florida has the nation's oldest physician workforce, and our physicians are retiring at a rapid rate.

Florida imports up to 90 percent of its physicians.

Florida is ranked 48th in the nation in percent of students accepted and enrolled in medical schools.

Orlando is the largest metropolitan area in the U.S. without a medical school.

Orlando was ranked as the fastest growing metropolitan area in the country with the strongest overall economy and the best job opportunities in the state.



The Orlando International Airport has been rated the best in North America for customer service. The airport served 31 million customers in 2004.

The economic impact of a medical school is estimated at \$2.7 billion to the state and community.

UCF has strong programs in chemistry, biology, nanotechnology, physics, psychology and advanced technology, such as simulation, modeling and virtual reality, which contribute to medically related research.

Forty percent of UCF students, who attend medical schools, go out of state for their medical education. Sixty percent of the qualified Florida residents who apply are not accepted into any medical schools.

UCF's partnership with the University of Puerto Rico School of Medicine will promote collaboration through research, faculty and student exchanges, internship opportunities, and cooperative instruction and research grants.

The UCF College of Medicine will be nontraditional, highly experiential, and will use cutting-edge approaches to medical care while integrating the newest forms of diagnostic tools and treatment programs.

The proposed medical college will build on the successful partnerships



already established with regional health-care providers, including the largest and fifth-largest hospital systems in America.

UCF will use expertise from the region, as well as its own programs in information technology and virtual simulation, for medical education and research. Also, the use of digital media

and virtual reality environments for patients will enhance the education of medical students.



Costs for the medical college will be reduced because a strong foundation of biomedical research and instruction exists, funds for two buildings are in place or being raised, and UCF will use existing community hospitals, eliminating the need for a costly, university-operated teaching hospital.

Creativity

"I will use my talents to enrich the human experience."

THE UCF CREED

Integrity, scholarship, community, creativity, and excellence are the core values that guide our conduct, performance, and decisions.

INTEGRITY

I will practice and defend academic and personal honesty.

SCHOLARSHIP

I will cherish and honor learning as a fundamental purpose of my membership in the UCF community.

COMMUNITY

I will promote an open and supportive campus environment by respecting the rights and contributions of every individual.

CREATIVITY

I will use my talents to enrich the human experience.

EXCELLENCE

I will strive toward the highest standards of performance in any endeavor I undertake.