



UNIVERSITY OF CENTRAL FLORIDA

# COMMENCEMENT

NOVEMBER 5, 2021

# LIVE THE UCF CREED

---

## 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.

---

## About the University of Central Florida

The University of Central Florida is a bold, preeminent research institution that is regularly ranked among the nation's top 20 most innovative universities by *U.S News & World Report*. With more than 70,000 students, UCF is one of the largest universities in the United States and is ranked as one of the best educational values in the nation by *Forbes* and *Kiplinger*. The university benefits from a diverse faculty and staff who create a welcoming environment and opportunities for all students to grow, learn and succeed.

UCF AT A GLANCE

**Dr. Alexander N. Cartwright**  
UCF PRESIDENT SINCE  
APRIL 13, 2020

FOUNDED ON **JUNE 10, 1963**

**ORLANDO, FL** MAIN CAMPUS

**70,000+**  
FALL 2021 ENROLLMENT

**49%** FIRST-TIME-IN-COLLEGE  
STUDENTS GRADUATE WITH  
NO EDUCATIONAL DEBT

**46%** STUDENTS ARE MINORITIES

**4.22** AVERAGE FALL FRESHMAN  
HIGH SCHOOL GPA

**361**  
NATIONAL MERIT SCHOLARS

**12,000+**  
FACULTY AND STAFF

### A Foundation for Success

UCF and its 13 colleges offer more than 220 degrees at UCF's main campus, hospitality campus, health sciences campus and through multiple regional locations. The 1,415-acre main campus is 13 miles east of downtown Orlando and adjacent to one of the top research parks in the nation. Other campuses throughout Central Florida include a fully accredited College of Medicine at Lake Nona and UCF Downtown, which opened in fall 2019 and provides innovative urban education for high-demand fields such as digital media and health informatics. UCF's online-only programs include bachelor's degrees, graduate degrees and graduate certificates.

### By the Numbers

UCF offers 103 bachelor's, 91 master's, 31 research doctorates, three professional doctorates and three specialist degree programs. In conferring more than 17,000 degrees a year, UCF leads all public universities in Florida in the awarding of degrees and is among the national leaders. In Fall 2021, the freshman class had an average SAT two-score of 1323, The Burnett Honors College enrolled nearly 2,400 students, and the school-record number of incoming National Merit Scholars ranked UCF among the top 10 public universities nationally and among the top 25 colleges and universities overall.

### Top-ranked College Education

UCF is an academic, partnership and research leader in various fields, such as optics and lasers, modeling and simulation, engineering and computer science, planetary science, business administration, education, hospitality management, health care and video game design. In fact, UCF's Florida Interactive Entertainment Academy is ranked as the world's No. 1 game design graduate school by The Princeton Review and *PC Gamer* magazine.

### Knight Life

Home to the Bounce House stadium and the Addition Financial Arena, UCF hosts various concerts and shows, plus cultural events and NCAA sports. Student on-campus events and activities are abundant. UCF offers an array of student services, hundreds of student clubs and organizations, and dedicated academic resources to help students succeed in school and as alumni.

Dear Graduates and Families:

Congratulations, Class of 2020. We are so very proud of you. Your optimism, determination, persistence and compassion are an inspiration to the entire UCF community.

The degrees we celebrate today were the fruits of your long labor, often under extraordinary circumstances. The effort you gave attending classes, discovering in labs, creating with faculty and classmates, connecting via Zoom, and working through internships — they led you to this moment and to this new beginning.

Elements of today's commencement ceremony have their roots in the 12th century. You are part of an age-old tradition of scholarship, learning and creation. But you are executing this tradition in revolutionary ways. You are among the most accomplished, diverse and innovative graduates in history. You will develop the solutions, technologies, philosophies and relationships that will drive a better future. You will change the world like no generation before — I have no doubt.

Our graduates have joined a network of 334,000+ alumni. Together, you will be ambassadors and supporters of this great university. The old saying is that there is power in numbers. I encourage you to use it wisely in service to those around you and to help those coming up behind you.

I would also like to give a special thank you to the loved ones of our graduates. Your support and encouragement contributed more to this milestone than you know. We are grateful to you.

When someone says, "Go Knights," I always listen for the reply, "Charge On!" It's not just a cheer, it's our way of life and how we face the future.

In that spirit, Charge on, Class of 2020!



**Alexander N. Cartwright, Ph.D.**  
President



## ***Table of Contents***

<i>About the University of Central Florida .....</i>	<i>1</i>
<i>President's Personal Note .....</i>	<i>2</i>
<i>University of Central Florida Administration.....</i>	<i>4</i>
<i>Commencement Program .....</i>	<i>5</i>
<i>Commencement Speaker and Platform Party .....</i>	<i>6</i>
<i>November 5, 2021 — 9 a.m. Ceremony.....</i>	<i>6</i>
<i>The Commencement Ceremony and Academic Regalia.....</i>	<i>7</i>
<i>The University Mace.....</i>	<i>9</i>
<i>The Presidential Medallion.....</i>	<i>9</i>
<i>Honorary Degrees Awarded .....</i>	<i>10</i>
<i>Degrees Conferred.....</i>	<i>11</i>
<i>Diploma Distribution Information.....</i>	<i>11</i>
<i>UCF Alma Mater .....</i>	<i>12</i>
<i>UCF Connect Centers .....</i>	<i>13</i>

**This program contains the most accurate information available at press time.**

## University of Central Florida Administration

<b>Dr. Alexander N. Cartwright</b>	President
<b>Dr. Michael D. Johnson</b>	Interim Provost and Vice President for Academic Affairs
<b>Dr. Andrea Guzmán</b>	Vice President for Diversity, Equity and Inclusion
<b>Youndy Cook</b>	Interim Vice President and General Counsel
<b>Dr. Adrienne Otto Frame</b>	Interim Vice President for Student Development and Enrollment Services
<b>Deborah C. German, M.D.</b>	Vice President for Health Affairs and Dean, College of Medicine
<b>Mike Kilbride</b>	Chief of Staff
<b>Dr. Elizabeth Klonoff</b>	Vice President for Research and Dean, College of Graduate Studies
<b>Karen Cochran</b>	Interim Vice President for Advancement and CEO, UCF Foundation
<b>Janet D. Owen</b>	Vice President for Government and Community Relations
<b>Gerald Hector</b>	Senior Vice President for Administration and Finance
<b>Matthew Hall</b>	Vice President for Information Technology and Chief Information Officer
<b>Misty Shepherd</b>	Senior Associate Vice President for Financial Affairs
<b>Terry Mohajir</b>	Vice President and Director of Athletics
<b>Dr. Sheila Amin Gutiérrez de Piñeres</b>	Dean, The Burnett Honors College
<b>Jeffrey Moore</b>	Dean, College of Arts and Humanities
<b>Dr. Paul Jarley</b>	Dean, College of Business Administration
<b>Dr. Pamela S. Carroll</b>	Dean, College of Community Innovation and Education
<b>Dr. Michael Georgiopoulos</b>	Dean, College of Engineering and Computer Science
<b>Dr. Christopher Ingersoll</b>	Dean, College of Health Professions and Sciences
<b>Dr. Mary Lou Sole</b>	Dean, College of Nursing
<b>Dr. David Hagan</b>	Dean and Director, College of Optics and Photonics
<b>Dr. Maggy Tomova</b>	Dean, College of Sciences
<b>Dr. Theodorea Regina Berry</b>	Vice Provost, Student Learning and Academic Success and Dean, College of Undergraduate Studies
<b>Dr. Youcheng Wang</b>	Dean, Rosen College of Hospitality Management

## State of Florida Ron DeSantis, Governor Jeanette Nuñez, Lieutenant Governor

**Jimmy Patronis**  
Chief Financial Officer

**Ashley Moody**  
Attorney General

**Sydney Kitson**  
Chair, SUS Board of  
Governors

**Nicole (Nikki) Fried**  
Commissioner of Agriculture

**Richard Corcoran**  
Commissioner of Education

## Board of Trustees

**Tiffany Altizer**  
Orlando

**Bill Christy**  
Daytona Beach

**Jeff Condello**  
Windermere

**Joseph Conte**  
Winter Park

**Danny Gaekwad**  
Ocala

**Meg Hall**  
President, Student  
Government

**Dr. Joseph Harrington**  
Chair, Faculty Senate  
Orlando

**Alex Martins**  
Chair  
Orlando

**Caryl C. McAlpin**  
Orlando

**John Miklos**  
Orlando

**Harold Mills**  
Vice Chair  
Orlando

**Michael A. Okaty**  
Orlando

**Beverly J. Seay**  
Winter Park

***University of Central Florida***

***Commencement Program***

---

***Prelude***

***The Processional***

The Platform Party

The Faculty

The Baccalaureate and Graduate Candidates

***Convening of the Commencement***

College Representative

***The National Anthem***

***Opening Remarks and Introductions***

Dr. Alexander N. Cartwright, President

***Honorary Degree Conferral***

***Commencement Address***

Dr. Darin Edwards

***Honors Recognition***

***The Conferring of Degrees***

The Faculty

The Deans

The Interim Provost

The President

***Student Remarks***

Madeline Mills, 2019-2020 Student Government Vice President

***UCF Alumni Representative***

***Alma Mater***

***Individual Recognition\****

***The Recessional***

The Platform Party

***Andrew Walker, Organist***

***Jose Velez, Vocalist***

***David Enzfelder and Reg Lyle, Bagpipers***

***Reader by ROMAGNA Company***

***Sign Language Interpreter by Interpretok***

***Captioning by Central Florida Captioning and CART Services***

***Professional Photography by GradImages***

*\*Applause is the most appropriate method of conveying congratulations as your graduate's name is called. Other methods may keep your neighbors from hearing their graduate's name.*

The ceremony will last approximately two hours.

***Thank you for joining the faculty, staff, administration and student body in honoring our graduates.***

***College of Arts and Humanities, College of Business Administration,  
College of Community Innovation and Education,  
College of Engineering and Computer Science, College of Graduate Studies,  
College of Health Professions and Sciences, College of Medicine,  
College of Nursing, College of Optics and Photonics,  
College of Sciences, College of Undergraduate Studies  
and Rosen College of Hospitality Management***

***November 5, 2021 – 9:00 a.m.***

***Platform Party***

Grand Marshal .....Jonathan Judy  
Commencement Speaker.....Dr. Darin Edwards  
President .....Dr. Alexander N. Cartwright  
Interim Provost and Vice President for Academic Affairs.....Dr. Michael D. Johnson  
Vice President for Research and Dean, College of Graduate Studies .....Dr. Elizabeth Klonoff  
Dean, The Burnett Honors College .....Dr. Sheila Amin Gutiérrez de Piñeres  
Dean, College of Arts and Humanities.....Jeffrey Moore  
Dean, College of Business Administration.....Dr. Paul Jarley  
Dean, College of Community Innovation and Education .....Dr. Pamela S. Carroll  
Dean, College of Engineering and Computer Science .....Dr. Michael Georgiopoulos  
Dean, College of Health Professions and Sciences.....Dr. Christopher Ingersoll  
Vice President for Health Affairs and Dean, College of Medicine .....Deborah C. German, M.D.  
Dean, College of Nursing.....Dr. Mary Lou Sole  
Dean and Director, College of Optics and Photonics.....Dr. David Hagan  
Associate Dean, College of Sciences.....Dr. Teresa Dorman  
Interim Associate Dean, College of Undergraduate Studies .....Dr. Wayne H. Bowen  
Dean, Rosen College of Hospitality Management .....Dr. Youcheng Wang  
2019-2020 Student Government Vice President.....Madeline Mills  
Faculty Representative .....Dr. Tina Dow  
Board of Trustees Chair.....Alex Martins  
Board of Trustees Member .....Dr. Joseph Harrington  
Alumni Affairs Representative.....Stephanie Schwartz  
Staff Advisory Council Representative .....Cissy Glowth

***Commencement Speaker***



***Dr. Darin Edwards***

**Darin Edwards '97 '10MS '11PhD** is the director of immunology in the infectious disease group at Moderna, where he led the research and development on their mRNA COVID-19 vaccine. Additionally, he leads and directs the immunology team in support of vaccine development programs and foundational research efforts, and leads the external academic and industry collaborators, including Moderna's collaborative research efforts with the National Institute of Health, WHO, and Harvard's pathogenesis working group.

Prior to joining Moderna in June 2019, Dr. Edwards served eight years for Sanofi Pasteur in Orlando, where he worked to develop vaccines against infectious diseases, including RSV, influenza, dengue, and yellow fever.

Before that, he served for six years in UCF's Nanoscience Technology Center/Biomedical Sciences Department where he developed a dissociated neuronal culture system derived from adult human and murine tissue sources. He managed the biosafety level-2 laboratory functioning in the processing and analysis of human neuronal and muscle cultures.

Dr. Edwards is a much-published researcher and academic speaker. Through his educational background here at UCF, combined with his years of experience working on the development of next-generation vaccine technology, he has had the unique opportunity to make a direct and positive impact on global health.

He earned a bachelor's in biology, a master's in molecular biology and microbiology, and a Ph.D. in biomolecular sciences from UCF, where he was also a Burnett Honors Scholar.



## The Commencement Ceremony and Academic Regalia



**The Academic Procession** has descended from religious processions that came to include teaching faculties when universities were closely associated with the medieval church. The presence of a piper in American academic processions has become popular in recent years. The pipers for UCF's ceremonies are David Enzfelder and Reg Lyle.

**The procedure followed for the awarding of degrees** is based on a practice developed at the University of Paris almost 800 years ago. In those days, the bishop of Paris, like every other bishop, was responsible for local educational curriculum and degree granting. His authority in these matters, however, soon came to be disputed by the teachers. They asserted that only they could be the proper judges of the qualifications of the students. This threatened impasse was resolved by a compromise under which the teachers, or masters, judged the merits of the students and then recommended them to the bishop for their degrees. Today's ceremony includes a secularized version of that procedure. The Dean of the College certifies that the student candidates are qualified to receive their degrees. The president then authorizes the awarding of the degree.

**Academic heraldry in the form of academic dress** reaches as far back as the earliest days of the oldest universities. Formal directives concerning the correct and proper wearing of academic regalia date back to the early 14<sup>th</sup> Century. In the United States, as a result of our English heritage, caps and gowns have been used since colonial times.

**As heraldic devices such as shields, coats of arms, and standards** could identify a knight and his individual heritage, academic regalia can describe the academic origin and accomplishments of the wearer. Easily recognizable are holders of bachelor's, master's, and doctoral degrees. With the same glance, the trained eye may identify the university that conferred the degree as well as the individual's field of learning.

**The shape and decorations of the gown are the keys** to the highest degree earned by an individual. The gown for bachelor's has long pointed sleeves and is designed to be worn closed only. The master's gown has an oblong sleeve and is open at the wrist; the rear part of its oblong shape is square cut, and the front part has an arc cut away. The master's gown may be worn open or closed. The doctor's gown has bell-shaped sleeves, may be worn open or closed, and may be most readily identified by its velvet facing down the front and by three velvet chevrons on each sleeve.

**It is the hood, however, which is the most important and distinctive feature** of American academic pageantry. Chevrons enable those attending an academic function to distinguish at a glance the wearer's academic heritage. The bachelor's hood, seldom seen in American academic circles, is three feet long with a two-inch edging of velvet. The master's hood is three and one-half feet long with a three-inch edging. The doctor's hood is four feet long with a five-inch edging.

**The color of the hood's velvet edging represents the field** in which the wearer earned his or her degree. Although black may be used for any area, colors denoting selected fields of learning are as follows at UCF and American universities: all Ph.D.s are edged in dark blue, while professional doctorates, such as the Ed.D., are edged in the color of professional discipline.

**The hoods used by American colleges and universities are lined with silk** in the official academic colors of the institution that conferred the degree. UCF graduates, for example, will wear hoods with linings of black and gold. Generally, a school's academic colors are identical to its athletic colors.

**The academic regalia you see before you today can be traced directly** back to the beginnings of the oldest colleges and universities. In 1885, there occurred a widespread student movement in America to wear caps and gowns at commencement ceremonies. The graduating students seemed to feel a need for significant and dignified apparel for the occasion. By 1895, widespread adoption of a uniform code by 95 percent of colleges and universities in the country gave America its own distinct academic regalia. At UCF, the baccalaureate tassel colors are representative of the college. In most cases it represents the discipline of each college below.

However, at any academic gathering, there usually appear regalia which cannot be fathomed by these guidelines. Some of these may be from foreign universities; others are from those American institutions that have preferred to remain with the European tradition of allowing each school to determine its own costume. The result is the academic regalia you see before you today. The colors of the master hoods are as follows:

### College of Arts and Humanities

DISCIPLINE .....	COLOR OF DISCIPLINE
Creative Writing.....	Brown
Emerging Media.....	Brown
English.....	White
Foreign Languages.....	White
History .....	White
Music.....	Pink
Spanish.....	White
Teaching English as Second Language .....	White
Theatre.....	Brown

**College of Business Administration**

DISCIPLINE .....	COLOR OF DISCIPLINE
Accounting.....	Drab
Business Administration .....	Drab
Economics .....	Drab
Management.....	Drab
Real Estate.....	Drab
Sports Business Management .....	Drab
Taxation .....	Drab

**College of Community Innovation and Education**

DISCIPLINE .....	COLOR OF DISCIPLINE
Criminal Justice .....	Navy
Education.....	Light Blue
Health Administration .....	Kelly Green
Health Care Informatics .....	Kelly Green
Nonprofit Management .....	Peacock Blue
Public Administration .....	Peacock Blue
Research Administration .....	Peacock Blue
Urban and Regional Planning .....	Blue-Violet

**College of Engineering and Computer Science**

DISCIPLINE .....	COLOR OF DISCIPLINE
Computer Science.....	Orange
Digital Forensics.....	Orange
Engineering .....	Orange
Modeling and Simulation .....	Orange

**College of Graduate Studies**

DISCIPLINE .....	COLOR OF DISCIPLINE
Conservation Biology Professional .....	Science Gold
Interdisciplinary Studies .....	White
Nanotechnology.....	Science Gold

**College of Health Professions and Sciences**

DISCIPLINE .....	COLOR OF DISCIPLINE
Communication Sciences and Disorders .....	Sage Green
Health Sciences .....	Kelly Green
Social Work .....	Citron

**College of Medicine**

DISCIPLINE .....	COLOR OF DISCIPLINE
Biomedical Sciences.....	Science Gold
Biotechnology.....	Science Gold

**College of Nursing**

DISCIPLINE .....	COLOR OF DISCIPLINE
Nursing.....	Apricot

**College of Optics and Photonics**

DISCIPLINE .....	COLOR OF DISCIPLINE
Optics and Photonics.....	Aqua

**College of Sciences**

DISCIPLINE .....	COLOR OF DISCIPLINE
Anthropology .....	White
Biology .....	Science Gold
Chemistry.....	Science Gold
Communication .....	Crimson
Digital Media.....	Brown
Film.....	Brown
Forensic Science .....	Science Gold
Interactive Entertainment .....	White
Mathematical Sciences .....	Science Gold
Modeling and Simulation .....	Science Gold
Physics .....	Science Gold
Political Science .....	Dark Blue
Psychology .....	Science Gold
Sociology .....	White
Statistics.....	Science Gold

**Rosen College of Hospitality Management**

DISCIPLINE .....	COLOR OF DISCIPLINE
Hospitality and Tourism Management.....	Pineapple

## ***The University Mace***

During the Middle Ages, the mace was an effective weapon in battle, but as newer and more powerful military arms developed, it was transformed into a symbol of authority.

The earliest ceremonial maces were borne by bodyguards of 12<sup>th</sup> Century English and French kings. By the end of the 16<sup>th</sup> Century, they were used widely by officials of English cities and towns. Today, the ceremonial mace is found in the British Houses of Parliament and is frequently carried in ecclesiastical processions and in university convocations and commencement ceremonies.

The mace incorporates two symbols identified with the University of Central Florida. The top is cast in the shape of the star found over the Pegasus in the UCF emblem. Inside the star is a reproduction of the "Flame of Hope" sculpture near the John C. Hitt Library.

The mace is cast in bronze with three bronze UCF emblems inlaid at the crest of the rosewood staff. The center of the staff is engraved with the names of the presidents of UCF.

The creation of UCF's mace was a collective effort by UCF art professor Jagdish Chavda, sculptor David Cambia, and wood craftsman David Conway.

## ***The Presidential Medallion***

The gold medallion worn by the university president at formal and ceremonial occasions marks the president as a distinguished scholar and administrator, the highest officer of the university, and one who strives to uphold the twin tenets established by its founders: *Accent on the Individual* and *Accent on Excellence*.

The medallion is embossed with the university seal showing the mythical Pegasus ascending toward a single heavenly star and the motto, *Reach for the Stars*. The seal serves as a visible reminder to each member of the university community to strive to reach individual goals. The president has been entrusted to maintain and develop an atmosphere in which these creeds can be realized. The presidential position represented by the medallion epitomizes the foundations and aspirations of the university that the president has pledged to uphold.

As the only university official who can formally award a degree, the president recognizes the graduates for meeting the standards of excellence set by the university and for reaching the point from which new ventures begin.

From the presentation of the first medallion in 1968 to charter President Charles Millican to the one worn today, the Presidential Medallion has remained a symbol of academic leadership and the legacy of those pioneers who launched a unique experiment in higher education.

## Honorary Degrees Awarded



December 1969	Kurt H. Debus, Doctor of Engineering Science	December 1999	Oscar Arias, Doctor of Humane Letters
	William H. Dial, Doctor of Commercial Science		Reubin Askew, Doctor of Public Service
June 1970	John W. Young, Doctor of Applied Sciences		Desmond Tutu, Doctor of Humane Letters
March 1973	Louis C. Murray, Doctor of Public Service	May 2000	Lotfi Zadeh, Doctor of Science
August 1974	Fred C. Clayton, Doctor of Professional Engineering	May 2001	James Bacchus, Doctor of Public Services
August 1978	Richard F. Livingston, Doctor of Business Administration		Richard M. Karp, Doctor of Science
June 1979	Albert F. Hegenberger, Doctor of Engineering Science		Joseph F. Traub, Doctor of Science
	Lee R. Scherer, Doctor of Engineering Science		LeRoy T. Walker, Sr., Doctor of Public Service
December 1979	Joseph Daniel Duffey, Doctor of Humane Letters	May 2002	Richard M. DeVos, Sr., Doctor of Commercial Science
June 1980	Thelma Vivian Jackson Dudley, Doctor of Humanities	October 2002	Albert Burnett, Doctor of Commercial Science
	Howard Phillips, Doctor of Public Service		Nancy Burnett, Doctor of Commercial Science
December 1981	Gene Burns, Master of Letters	December 2002	Robert E. Kahn, Doctor of Science
April 1982	Andrew Duda, Jr., Doctor of Agricultural Service	December 2004	G. Vince Amico, Doctor of Science
	Ferdinand Duda, Doctor of Agricultural Service		Lester Mandell, Doctor of Commercial Science
	John Duda, Doctor of Agricultural Service	May 2005	Harriet Elam-Thomas, Doctor of Public Service
	Robert J. Whalen, Doctor of Engineering Science	March 2006	Anibel Acevedo Vila, Doctor of Public Science
July 1982	Mary Jo Davis, Doctor of Public Service	December 2006	Rita Bornstein, Doctor of Humane Letters
	William E. Davis, Doctor of Public Service	May 2007	Charles Hard Townes, Doctor of Science
December 1982	Joseph A. Boyd, Doctor of Engineering Science	December 2008	Robert Vander Weide, Doctor of Commerce
July 1983	J. W. Hubler, Doctor of Engineering Science	May 2009	Howard Lance, Doctor of Science
	Charles Wadsworth, Doctor of Public Service	December 2009	Jerry S. Roth, Doctor of Commercial Science
December 1984	Allan E. Gotieb, Doctor of Laws	December 2011	James A. Hinson, Doctor of Public Service
May 1985	George J. Becker, Jr., Doctor of Public Service	December 2012	Sanford Shugart, Doctor of Humane Letters
	Jerry Collins, Doctor of Public Service	May 2013	William Jefferson Clinton, Doctor of Humane Letters
	D. Robert Graham, Doctor of Public Service		Michael M. Crow, Doctor of Humane Letters
	Walter O. Lowrie, Doctor of Engineering Science	August 2014	Judith A. Albertson, Doctor of Humane Letters
	William C. Schwartz, Doctor of Engineering Science		Phyllis A. Klock, Doctor of Commercial Science
March 1986	Isaac Bashevis Singer, Doctor of Letters	December 2014	Alan Ginsburg, Doctor of Public Service
October 1988	Elie Wiesel, Doctor of Letters		Richard Walsh, Doctor of Commercial Science
December 1988	Sven Caspersen, Doctor of Engineering Science	May 2016	J. Charles Gray, Doctor of Public Service
	John D. Holloway, Doctor of Public Service		John Skipper, Doctor of Humane Letters
	Wolfgang-Detlef Petri, Doctor of Commercial Science	August 2016	Alan Eustace, Doctor of Business
May 1989	Frank M. Hubbard, Doctor of Public Service	April 2017	Mohammad bin Fahd bin Abdulaziz Al Saud, Doctor of Public Service
	David Albertson, Doctor of Humane Letters		Kareem Abdul-Jabbar, Doctor of Public Service
	William S. Jenkins, Doctor of Humane Letters	December 2017	Anthony J. Nicholson, Doctor of Public Service
	James C. Robinson, Doctor of Public Service		Jeb Bush, Doctor of Public Service
	Charles N. Millican, Doctor of Laws	May 2018	Buddy Dyer, Doctor of Public Service
May 1990	Helen Harris Perlman, Doctor of Humane Letters		Martha Halstead Hitt, Doctor of Public Service
	Thaddeus Seymour, Doctor of Letters		James F. Heekin, Doctor of Public Service
May 1991	Roald Hoffman, Doctor of Science		Teresa Jacobs, Doctor of Public Service
May 1992	Robert Bryan, Doctor of Humane Letters		Thomas G. Kuntz, Doctor of Public Service
May 1993	Buell G. Duncan, Jr., Doctor of Commercial Science		Carolyn Roberts, Doctor of Public Service
May 1995	Norman R. Augustine, Doctor of Engineering Science	May 2019	Judith M. Duda, Doctor of Humane Letters
December 1995	Jesse Stone, Doctor of Humane Letters	December 2019	Daniel C. Holsenbeck, Doctor of Humane Letters
April 1996	Nicolaas Bloembergen, Doctor of Science	May 2021	Abraham Pizam, Doctor of Commercial Science
December 1996	Richard A. Nunis, Doctor of Public Service		Darin Edwards, Doctor of Public Service
May 1997	Maxwell C. King, Doctor of Public Service	November 2021	
	Joe R. Lee, Doctor of Commercial Science		
August 1998	Trevor Colbourn, Doctor of Humane Letters		
December 1998	Linda W. Chapin, Doctor of Public Service		

## Degrees Conferred



<b>B.A.</b>	Bachelor of Arts	<b>M.A.A.E.</b>	Master of Arts in Applied Economics
<b>B.A.B.A.</b>	Bachelor of Arts in Business Administration	<b>M.A.T.</b>	Master of Arts in Teaching
<b>B.A.S.</b>	Bachelor of Applied Science	<b>M.P.A.</b>	Master of Public Administration
<b>B.Des.</b>	Bachelor of Design in Architecture	<b>M.B.A.</b>	Master of Business Administration
<b>B.F.A.</b>	Bachelor of Fine Arts	<b>M.D.</b>	Doctor of Medicine
<b>B.G.S.</b>	Bachelor of General Studies	<b>M.Ed.</b>	Master of Education
<b>B.M.</b>	Bachelor of Music	<b>M.F.A.</b>	Master of Fine Arts
<b>B.M.E.</b>	Bachelor of Music Education	<b>M.N.M.</b>	Master of Nonprofit Management
<b>B.S.</b>	Bachelor of Science	<b>M.S.</b>	Master of Science
<b>B.S.As.E.</b>	Bachelor of Science in Aerospace Engineering	<b>M.S.A.</b>	Master of Science in Accounting
<b>B.S.B.A.</b>	Bachelor of Science in Business Administration	<b>M.S.A.E.</b>	Master of Science in Aerospace Engineering
<b>B.S.C.E.</b>	Bachelor of Science in Civil Engineering	<b>M.S.B.M.</b>	Master of Sports Business Management
<b>B.S.Cp.E.</b>	Bachelor of Science in Computer Engineering	<b>M.S.C.E.</b>	Master of Science in Civil Engineering
<b>B.S.ConE</b>	Bachelor of Science in Construction Engineering	<b>M.S.Cp.E.</b>	Master of Science in Computer Engineering
<b>B.S.E.E.</b>	Bachelor of Science in Electrical Engineering	<b>M.S.E.E.</b>	Master of Science in Electrical Engineering
<b>B.S.E.E.T.</b>	Bachelor of Science in Electrical Engineering Technology	<b>M.S.Env.E.</b>	Master of Science in Environmental Engineering
<b>B.S.E.T.</b>	Bachelor of Science in Engineering Technology	<b>M.S.I.E.</b>	Master of Science in Industrial Engineering
<b>B.S.Env.E.</b>	Bachelor of Science in Environmental Engineering	<b>M.S.M.</b>	Master of Science in Management
<b>B.S.I.E.</b>	Bachelor of Science in Industrial Engineering	<b>M.S.M.E.</b>	Master of Science in Mechanical Engineering
<b>B.S.M.E.</b>	Bachelor of Science in Mechanical Engineering	<b>M.S.M.S.E.</b>	Master of Science in Material Science and Engineering
<b>B.S.N.</b>	Bachelor of Science in Nursing	<b>M.S.N.</b>	Master of Science in Nursing
<b>B.S.P.S.E.</b>	Bachelor of Science in Photonic Science and Engineering	<b>M.S.R.E.</b>	Master of Science in Real Estate
<b>B.S.W.</b>	Bachelor of Social Work	<b>M.S.T.</b>	Master of Science in Taxation
<b>D.N.P.</b>	Doctor of Nursing Practice	<b>M.S.W.</b>	Master of Social Work
<b>D.P.T.</b>	Doctor of Physical Therapy	<b>Ph.D.</b>	Doctor of Philosophy
<b>Ed.D.</b>	Doctor of Education		
<b>Ed.S.</b>	Education Specialist		
<b>M.A.</b>	Master of Arts		

## Diploma Distribution Information

Class of 2020 diplomas have already been mailed approximately 12 weeks after the student's original 2020 graduation date to the address indicated on the student's Intent to Graduate form.

For additional information, undergraduate students should call the Registrar's Office at 407-823-3100. Graduate students should contact the College of Graduate Studies at 407-823-4132.

Congratulations, graduates!

*All University of Central Florida campus activities, events, programs, and facilities are available to all students of any race, color, religion, sex, national origin, age, disability, marital status, sexual orientation, gender identity, gender expression, and veterans' status with due respect to law and the university's philosophy of respect for individual and personal dignity.*

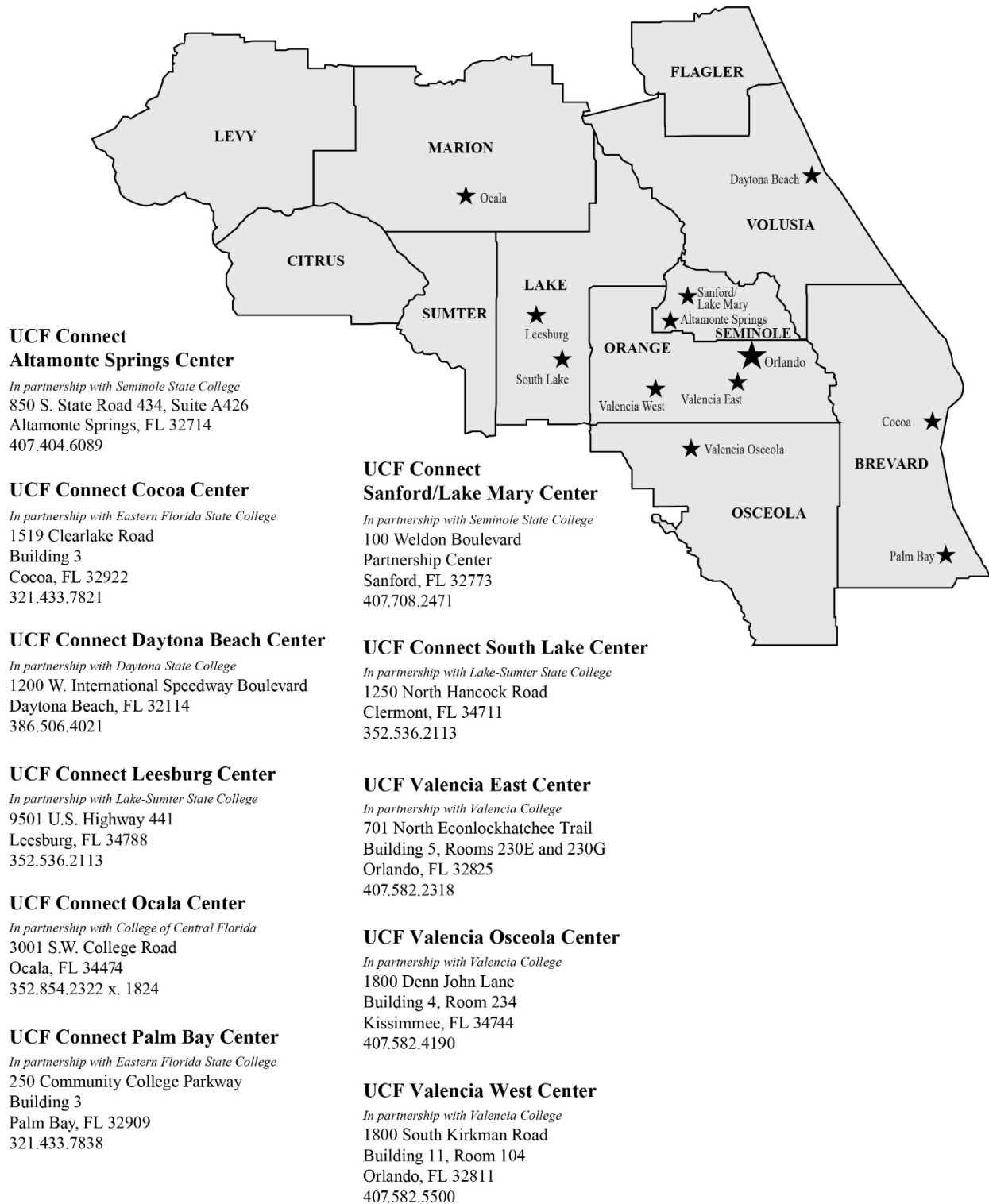
**Moderato** **UCF ALMA MATER** **Words & Music: Burt Szabo**

The musical score is written for a piano and voice. It features a key signature of three flats (B-flat, E-flat, A-flat) and a common time signature (C). The tempo is marked 'Moderato'. The score consists of four systems of music, each with a vocal line and a piano accompaniment. The lyrics are: 'All hail to Alma Mater whose banner, black and gold, will wave in fame and splendor as the passing years unfold. May loyalty and friendship within our hearts unite and light the star to guide us ever upward in our flight. With honor and affection our friendship will renew; we sing of thee our Alma Mater ever true.'

All hail to Alma Mater whose banner, black and gold, will wave in fame and splendor as the  
passing years unfold. May loyalty and friendship within our hearts unite and  
light the star to guide us ever upward in our flight. With honor and affection our  
friendship will renew; we sing of thee our Alma Mater ever true.

### **UCF ALMA MATER**

*All hail to Alma Mater whose banner black and gold,  
Will wave in fame and splendor as the passing years unfold.  
May loyalty and friendship, within our hearts unite,  
And light the star to guide us ever upward in our flight.  
With honor and affection our friendship will renew;  
We sing of thee our Alma Mater ever true.*



**UNIVERSITY OF CENTRAL FLORIDA**

4365 ANDROMEDA LOOP N.

ORLANDO, FL 32816

407-823-2000

.....  
**COMMENCEMENT.UCF.EDU**