BROWARD COLLEGE



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- 4. FAA Part 145 Repair Stations in Florida
- 5. FAA Part 147 Aviation Maintenance Technician Schools in South Florida
- 6. South Florida Schools, Colleges and Universities
- 7. State University System of Florida: Aerospace in the State University System
- 8. State University System of Florida: Degrees Awarded in Academic Programs Potentially

leading to Career in the Aerospace Industry

Research interviews conducted regarding the feasibility of establishing an Aviation Aerospace Training Program in the City of Fort Lauderdale

Industry Groups	Companies
Greater Miami Aviation Association	Tropic Ocean Airways
Career Source South Florida	AAR
Beacon Council	FEAM *
South Florida Aviation Maintenance Council	National Jet
South Florida Business Aviation Association	Banyan
Career Source Broward	Heico *
Greater Fort Lauderdale Alliance	GA Telesis
FXE Airport	International Aircraft Associates
South Florida Defense Alliance	Sintavia *
Career Source Palm Beach	Spirit Airlines *
South Florida Manufactures Association	Bombardier *
Space Coast EDC	Taking Aviation Forward
	ASI AERO Aeronautical Support International
	Turbine Management Solutions
	CIP-Cloud Investment Partners
	RESION
	AP&M
	Lockheed Martin *
	General Atomics ASI *
	Beehive3D *
	Lilium *
	Joby Aviation *

* In process of scheduling interview

FAA Part 141 Flight Schools in South Florida (SO-19) Data from latest FAA Aviation Data and Statistics Reports

- 28 FAA Certified Flight Schools (126 total in Florida)
 - 6 located at FXE (Fort Lauderdale Executive Airport)
 - 6 located at HWO (North Perry Airport)
 - o 3 located at LNA (Palm Beach County Park Airport)
 - 1 located at PMP (Pompano Beach Airpark)
 - o 1 located at F45 (North Palm Beach County General Aviation Airport)
 - 1 located at MIA (Miami International Airport)
 - \circ 4 located at OPF (Opa-locka Executive Airport)
 - 5 located at TMB (Kendall-Tamiami Executive Airport)
 - o 1 located at X51 (Miami Homestead General Aviation Airport)
- Aircraft
 - o Total 203
 - o Low 0
 - o High 34
 - o Avg 7.25
- Flight Instructors
 - o Total 244
 - o Low 1
 - o High 37
 - o Avg 8.7

FAA Part 142 Flight Simulator Schools in South Florida (SO-19) Data from latest FAA Aviation Data and Statistics Reports

- 11 FAA Certified Flight Simulator Schools (51 total in Florida)
 - 1 located at FXE (Fort Lauderdale Executive Airport)
 - 8 located at MIA (Miami International Airport)
 - 2 located at FLL (Fort Lauderdale–Hollywood International Airport)
- Flight Instructors
 - o Total 257
 - o Low 3
 - o High 90
 - o Avg 23.4

FAA Part 145 Repair Stations in South Florida (SO-19) Data from latest FAA Aviation Data and Statistics Reports

- 392 FAA Certified Repair Stations in South Florida (603 total in Florida)
 - \circ $\,$ 321 Associated with local airport $\,$
 - 37 at FXE (Fort Lauderdale Executive Airport)
 - 27 at FLL (Fort Lauderdale–Hollywood International Airport)
 - 11 at HWO (North Perry)
 - 164 at MIA (Miami International Airport)
- Employees
 - o Total 12,227
 - o Low 0
 - o High 1,012
 - o Avg 31.3
- Distance from FXE (Fort Lauderdale Executive Airport)

	i i	
0	0-3 Miles	31
0	3-5 Miles	9
0	5-10 Miles	9
0	10-20 Miles	40
0	20-30 Miles	55

- 30+ Miles 248
- Type
 - o Accessory Repair 245
 - o Airframe Repair 165
 - o Instrument Repair 105
 - o Powerplant Repair 114
 - o Propeller Repair 4
 - o Radio Repair 105
 - o Non Destructive Testing 76
 - Specialized Services
 78
 - o Rotor Blades Repair 1

FAA Part 147 Aviation Maintenance Technician Schools in South Florida (SO-19) Data from latest FAA Aviation Data and Statistics Reports

- 2 FAA Certified Aviation Maintenance Technician Schools (15 total in Florida)
 - 1 located in Miami-Dade County
 - George T. Baker Aviation Technical College
 - Max authorized enrollment: 1242
 - 29 certified instructors (last reported)
 - 893 students enrolled (last reported)
 - Related Airport: MIA (Miami International Airport)
 - o 1 located in Broward County
 - Broward College South Campus
 - Max Authorized enrollment: 225
 - 13 certified instructors (last reported)
 - 150 students enrolled (last reported)
 - Related Airport: HWO (North Perry Airport)

South Florida Schools, Colleges and Universities

Aviation Programs

- 11 Major Colleges and Universities •
 - o Atlantic Technical College (1 program)
 - Broward College (25 programs) 0
 - o Embry-Riddle Aeronautical University (29 programs)
 - o Everglades University (10 programs)
 - o Florida International University (1 program)
 - o Florida Memorial University (3 programs)
 - George T Baker Aviation Technical College (4 programs) 0
 - o Lynn University (14 programs)
 - o Miami Dade College (11 programs)
 - o Nova Southeastern University (1 program)
 - o University of Central Florida (1 program)
- Pro

ogra	im Types	- /
0	Apprenticeship	1
0	Certificates	
	 Technical - Maintenance 	7
	 Technical - Avionics 	3
	 Technical – Other 	10
	 Graduate 	9
0	Associates	11
0	Bachelors	20
0	Masters	13
0	Doctorate	2
0	Minor	2
0	Continuing Education	
	 Drone 	3
	 Pilot 	15
	 Technical - Avionics 	1

South Florida Schools (registered with the State of Florida DOE, non K-12, non aviation)

- Programs (duplicated) •
 - o Palm Beach 419
 - 779 o Broward
 - o Miami-Dade 1,225
- Programs (un-duplicated by CIP) •
 - o Palm Beach 42
 - o Broward 136
 - o Miami-Dade 247

- Locations
 - o Palm Beach 83
 - o Broward 138
 - o Miami-Dade 208



Aerospace in the State University System

March 2021

Executive Summary

There is an abundance of both educational and research activity centered on supporting the aerospace industry in the State University System (SUS) of Florida. The term aerospace encompasses the atmosphere and the space beyond, considered as a whole. Typically, the aerospace industry is concerned with the design and manufacture of aircraft, rockets, missiles, spacecraft, and other devices that operate in aerospace. The SUS produced over 7,400 graduates in 2018-19, including over 5,400 engineers, with the potential to gain employment in the industry. For further and more detailed data, please reference the supplemental document titled "Degrees Awarded in Academic Programs Potentially Leading to Careers in the Aerospace Industry." The supplemental document contains detailed graduate counts by program, institution, and degree level.

Florida public universities have been recognized by rankings organizations for excellence in aerospace-related academic programs. For example, U.S. News & World Report recognized graduate engineering programs at the University of Central Florida (UCF) and the University of Florida (UF) in recent years. In 2020, UF's graduate-level Aerospace Engineering program ranked 16th and UF's graduate Mechanical Engineering program ranked 15th in the nation among public programs. UCF's graduate Aerospace Engineering program ranked 37th in the 2021 rankings for national public research universities, and UCF graduate engineering programs overall were ranked 43rd.

Florida institutions partner with a multitude of aerospace industry partners in a number of ways including student internship and employment opportunities, research collaborations, space sharing agreements, and more. These partners include both corporate and government entities such as the U.S. military and NASA. Millions of dollars in grants have been awarded to SUS institutional aerospace research efforts. For example, the University of Florida was awarded almost \$3.9 million in 2018-19 for aerospace-related projects. That amount increased to \$9.6 million in 2019-20 and increased again to over \$15.4 million in 2020-21.

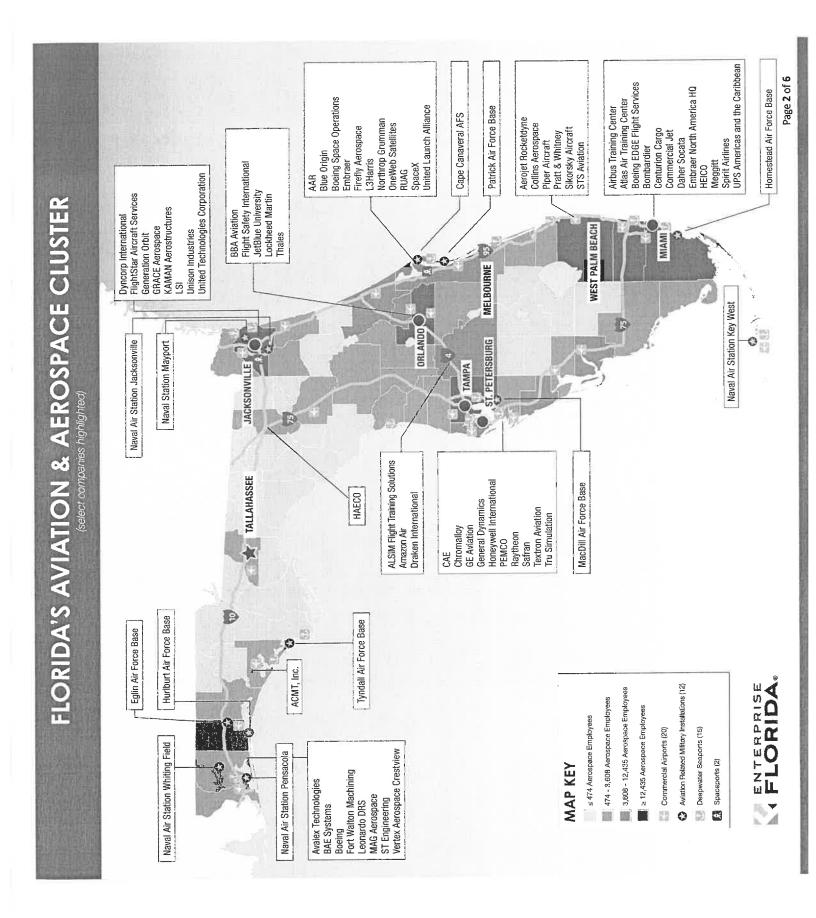
Dozens of high-tech aerospace companies are operating in Florida such as Embraer, L3Harris, Northrop Grumman, and Made In Space. See the next page of this document for a map from Enterprise Florida showing Florida's aviation and





aerospace cluster with the locations of many select companies highlighted as well as airports, spaceports, military installations, and aerospace employment density displayed.

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3/11/2021

The following is a sampling of the many aerospace highlights provided by SUS institutions in response to an informal survey of all institutions. For more detailed information, please refer to the document titled "Institutional Responses Regarding Aerospace Activity in the State University System."

Florida A&M Univeristy & Florida State University College of Engineering

- Lead institution for the Florida Center for Advanced Aero-Propulsion (FCAAP), a multi-university, state-wide research, technology and education center
- Training diverse engineers of the future
 - o 20% Black
 - o 20% Hispanic
 - o 28% Female

Florida Atlantic University

- Several aerospace research and development projects and collaborations with companies and organizations such as
 - o Pratt & Whitney, a Raytheon Technologies Company
 - Aerojet Rocketdyne
 - o Belcan, LLC
 - Aerospace Technologies Group (ATG)
 - o NASA

Florida International University

- Engineering Mechanical, Aeronautical & Manufacturing was ranked in the 41-46 range for US Public in the QS World University Rankings by Subject in 2020
- Significantly increased graduate students in areas such as Radio Frequency/Wireless/Sensors, which are a key aerospace technology area for navigation, sensing, real time imaging and communication, by more than 100% in the last 3 years
- Projects with
 - o Northrop-Grumman
 - Lockheed Martin
 - o MITRE
 - o DARPA and
 - several companies working with the U.S. Air Force Research Laboratory, the U.S. Army Research Office, and/or the U.S. Navy



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Florida Polytechnic University

- Offers an Aerospace concentration within the Mechanical Engineering Department including courses such as
 - Flight Performance Mechanics
 - Fundamentals of Aerodynamics
 - Introduction to Aero Structures
 - Orbital Mechanics
 - Propulsion and Combustion Systems
 - Mechanics of Composite Materials

Florida State University

- Space Act Agreement On 19 March 2019, NASA Langley Research Center and FSU signed a Space Act Agreement SAA1-29737. The agreement establishes a collaborative research effort between the NASA Langley Acoustic Liner Physics Team a team of researchers at FSU.
- Lead institution for the four FL universities in the FAA Center of Excellence in Commercial Space Transportation (a consortium of nine universities) established in 2010 by the FAA to address the broad range of issues in the newly emerging commercial space transportation sector.
- Consulting opportunities with
 - o Cessna Aircraft
 - o General Electric Company Aircraft Engineer Division
 - Goodrich Aerostructures
 - Lockheed Aircraft Company

University of Central Florida

- Collaborates with more than 230 aviation, aerospace, and defense companies in the Orlando region.
- Number one nationally for the past six years in providing graduates for aerospace and defense-related jobs, according to Aviation Week Network.
 - Named the aerospace industry's second most preferred supplier of talent in the nation by Aviation Week Network, behind only the Georgia Institute of Technology
- U.S. News & World Report Rankings
 - Graduate aerospace engineering program is ranked 37th in the 2021 rankings for national public research universities
 - Overall, UCF's graduate engineering programs are ranked 43rd and its undergraduate engineering programs are ranked 47th among national public research universities
- Model internship programs such as work experience at Northrop Grumman and Lockheed Martin that allow students to gain real-word abilities and skills.
 - The Lockheed Martin College Work Experience Program, for example, provides over 800 paid opportunities a year to UCF students
 - Lockheed Martin hires more graduates from UCF than from any other university in the nation

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University of Florida

- Nearly \$10M in major aerospace grants awarded in 2019-20
- U.S. News & World Report Rankings America's Best Colleges: Undergraduate Engineering Specialties
 - o 2021: Mechanical 33rd overall rank and 18th public rank
 - o 2019: Aerospace 23rd overall rank and 15th public rank
- U.S. News & World Report Rankings Best Graduate Schools
 2020: Aerospace 16th and Mechanical 15th
- The UF REEF Autonomy Lab provides an indoor, instrumented space for testing guidance, navigation, and control (GNC) algorithms on ground and aerial robots. The lab is equipped with a motion capture system for precision measurement of location to within a few centimeters or better. This lab is funded by Air Force Research Lab (AFRL), which transitions UF developed technologies to the Air Force and the aerospace industry.

University of North Florida

- Several UNF faculty in Biology, Engineering, Physics, and Chemistry are involved in research related to the aerospace industry
- College of Computing, Engineering & Construction and the Department of Physics work with industry partners on student internships, career fairs, and employment with companies/organizations including
 - o Andromeda Systems
 - Collins Aerospace
 - Drone Aviation Corp
 - o General Dynamics
 - o Honeywell
 - o Made in Space
 - Modularity Space
 - o Northrop Grumman
 - Piper Aircraft
 - United Airlines
 - o U.S. Navy
 - o NASA

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University of South Florida

- Recently designed, built, and launched three small satellites (each about the size of a sandwich) aboard the record-breaking SpaceX launch of 143 satellites
- Aerospace research and work is being done in Civil Engineering, including areas such as
 - Emerging technologies in the aerospace industry
 - o Air traffic management and next generation air transportation systems
 - o Air transportation network design and disruption management
 - o Corridor-wide surveillance using unmanned aircraft systems
- Aerospace research and work is being done in Mechanical Engineering, including areas such as
 - Verification and validation of adaptive hypersonic vehicle control algorithms
 - Developing embedded distributed electric propulsion control system for electric vertical takeoff and landing (eVTOL) and urban air mobility (UAM) vehicles
 - o Active wing shaping control for morphing aircraft
- Aerospace research and work is being done in Electrical Engineering, including areas such as
 - o Small satellites
 - o Integrated navigation and guidance for planetary precision landing
 - Development of navigation and communication strategies applicable to spacecraft formation constellations

University of West Florida

- UWF has a facilities use agreement with Northrop Grumman (NG), and NG hires Hal Marcus College of Science and Engineering (HMCSE) interns to work in this space
- Mechanical Engineering (ME) has a student section of the American Institute of Aeronautics and Astronautics (AIAA) and regularly collaborates with the AIAA professional chapter at Eglin Air Force Base
- "Intro to Flight" is an elective course in the ME program, and the college of engineering has several flight-related competition teams

3/11/2021

Degrees Awarded in Academic Programs Potentially Leading to Careers in the Aerospace Industry

State University System of Florida

March 2021

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T STATE UNIVERSITY SYSTEM OF FLORIDA₅₀

Degrees Awarded in Programs Potentially Leading to Careers in the Aerospace Industry

Bioregianeering and Biomedical Engineering 196 240 Biological/Bioloystem Engineering 63 73 Computer and Information Sciences, General 63 73 Computer Engineering 510 510 Computer Software Engineering 510 513 Computer Software Engineering 510 513 Computer Software Engineering 513 514 Computer Software Engineering 513 513 Matrial Engineering 513 513 Matrin			UVC			
Biological/Biosystems Engineering Chemical Engineering Computer and Information Sciences, General Computer and Information Sciences, General Computer Software & Media Applications Other Computer Software & Media Applications Other Sciences, General Materials Engineering Materials Engineering Materials Engineering Electronic Engineering Felectonic Engineering Felectonic Engineering Felectonic Engineering Electronic Engineering Felectonic Engineering Felectonic Engineering Materials Engineering Materials Engineering Felectonic Engineering Felectonic Engineering Felectonic Engineering Felectonic Engineering Materials Engineering Felectonic Engineering Felectonic Engineering Felectonic Engineering Felectonic Engineering Materials Ference Mathematics, General Modeling and Simulation Modeling and Sience Modeling and Sience Mod			244	254	266	309
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Laser and Optical Engineering 39 Materials Engineering 155 Materials Engineering 13359 Mechanical Engineering 1,359 Telecommunications Engineering 1,359 Electronic Engineering 1,359 Engineering Management 1,359 Engineering Management 1,35 Engineering Management 76 Engineering/Industrial Management 76 Nanotechnology 27 Mathematics, General 27 Modeling and Simulation 36 Astronomy 13 Atmospheric Science 10 Computer and Information Sciences, Oth. 33 Modeling and Simulation 33 Atmospheric Science 1 Atmospheric Science 4 Modeling and Simulation 54 Modeling and Simulation 54 Modeling and Simulation 54 Chemistry 54		253	310	333	377	313
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Electronic Engineering Technology 6 Engineering Management 13 Engineering Technologies and Engineering-Related F 76 Engineering/Industrial Management 76 Engineering/Industrial Management 76 Rapined Mathematics, General 27 Mathematics, General 36 Modeling and Simulation 36 Modeling and Simulation 36 Astronomy 13 Astronomy 33 Chemical Sciences/Industrial Chemistry 54 Modeling and Simulation 33 Astronomy 13 Astronomy 33 Chemical Sciences/Industrial Chemistry 54 Chemistry 6eophysical Fluid Dynamics 1 Materials Science 4 4 Materials Science 54 54 Radiation Physics 6eorece <		4,496	4,868	5,015	5,293	5,484
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Nanotechnology A Applied Mathematics, General 27 Mathematics, General 27 Mathematics, General 27 Computational Science Computer and Information Sciences, Oth. 499 44 Computer and Information Sciences, Oth. 36 Modeling and Simulation 36 Modeling and Simulation 36 Modeling and Simulation 36 Computer and Information 56 Atmospheric Sci. & Meteorology 33 Atmospheric Sci. & Meteorology 33 Chemical Sciences/Industrial Chemistry 54 Chemistry 54 Chemistry 54 Chemistry 66 Materials Science 4 Materials Science 4 Materials Science 4 Physics 8 Radiation Physics 8	Engineering/industrial management	76	104	93	109	79
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Computational Science 10 Computer and Information Sciences, Oth. 10 Computer and Information 36 Computer and Simulation 36 Modeling and Simulation 36 Astronomy 13 Astronomy 14 Chemistry 548 Geophysical Fluid Dynamics 4 Materials Science 4 Occanography/Marine Science 45 Physics 300 Radiation Physics 8	Mathematics, General	499	482	491	496	501
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Astronomy 13 Astronomy 54 Atmospheric Sci. & Meteorology 54 Chemical Sciences/Industrial Chemistry 33 Chemistry 548 6 Geophysical Fluid Dynamics 1 Materials Science 4 Ceanography/Marine Science 45 Physics 8 Radiation Physics 8	tudies Total	46	n n	90	62	83
54 mistry 33 548 1 1 4 4 4 8 8 8 8	Astronomy	13	13	25	21	16
3 33 5 4 4 1 3 0 0 5 4 4 1 8 3 4 4 1 8 3 4 4 1 8 3 4 4 1 8 4 1 1 8 4 1 1 8 4 1 4 1 8 4 1 1 1 1 1 1 1 1	Atmospheric Sci. & Meteorology	54	38	29	29	34
548 6 1 1 300 3 300 3	Chemical Sciences/Industrial Chemistry	33	29	19	19	10
1 4 300 3 8	Chemistry	548	643	698	657	710
4 45 300 300	Geophysical Fluid Dynamics	-	'n	Ω.	m	۲
45 300 8	Materials Science	4	2	2	S	4
300 ni Physics	Oceanography/Marine Science	45	35	33	37	47
Radiation Physics 8 4	Physics	300	313	314	319	286
NAME IN THE PARTY OF THE PARTY	Radiation Physics	8	4	4	9	5
Physical Sciences Total	All and a state of the state of	1,006	1,080	1,130	1,096	B51.4

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T STATE UNIVERSITY SYSTEM OF FLORIDA

Degrees Awarded in Programs Potentially Leading to Careers in the Aerospace Industry by Degree Level

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Engineering	Aerospace, Aeronautical and Astronautical/Space	200	28	228	192	42	234	190	52	242	180	40	220	258	60	318
	Bioengineering and Biomedical Engineering	105	91	196	141	66	240	146	108	254	162	104	266	203	106	309
	Biological/Biosystems Engineering	18		18	27		27	36		36	35		35	20		20
	Chemical Engineering	268	98	366	306	106	412	270	94	364	347	90	437	347	90	437
The second se	Coastal & Ocean Engineering	24	39	63	32	25	57	88	ជ	99	27	23	50	23	27	22
	Computer and Information Sciences, General	m		m												1
	Computer Engineering	332	178	510	374	130	504	426	143	569	426	147	573	508	66	607
	Computer Software & Media Applications Other	27		27	14		-									
	Computer Software Engineering				45		45	34		34	61		61	5		53
	Electrical and Electronics Engineering	644	423	1,067	678	510	1,188	999	593	1,259	648	510	1,158	665	428	1,093
	Industrial & Systems Engineering	128	66	194	151	73	224	133	90	223	103	73	176	127	80	207
	Industrial/Manufacturing Engineering	161	92	253	183	127	310	227	106	333	253	124	377	207	106	313
	Laser and Optical Engineering	н	38	39	S	41	46	14	27	41	51	33	46	17	31	48
	Materials Engineering	40	115	155	26	111	137	39	167	206	47	122	169	62	114	176
	Mechanical Engineering	1,109	250	1,359	1,120	310	1,430	1,104	280	1,384	1,344	372	1,716	1,440	401	1,841
	Telecommunications Engineering		18	18		13	13		10	10		6	6		10	10
Evolution Inc. Total	CALL NO	3,064	1,425	1444	- 164310	1987	10044	19354	1025	1004	3,646	2.645	5400		1400	in the second se
Engineering Technician	Electronic Engineering Technology	9		9	80		00	7		7	6		σ	11		11
•												80	80		70	70
	Engineering Technologies and Engineering-Relate	13		13	25		25	31		31	26		26	28		28
	Engineering/Industrial Management		76	76		104	104		93	66		109	109		79	52
	Nanotechnology					4	4		15	15		11	11		7	7
Table contracts in a multiple of		19	. W.	100.00	12	1. 200	THE R. L.	THE NEW	0.676	ALC: N			1 245	100		1995
Mathematics & Statistic	Mathematics & Statistics Applied Mathematics, General		27	27		38	38		56	56		33	33		39	39
	Mathematics, General	357	142	499	359	123	482	354	137	491	344	152	496	380	121	501
Mathematica S and allo		1/4503	101	1026	1622	101	12410	NA	1 (11)	100	111		545	1		345
Interdisciplinary Studies	t Computational Science	4	9	10	9	14	20	4	. თ	13	m	27	30	9	30	36
	Computer and Information Sciences, Oth.											7	7		17	17
	Modeling and Simulation		36	36		52	52		31	31		25	25		36	36
Interdisciplinary Studies	The second		100	1000			120			1			2			-
Physical Sciences	Astronomy	80	S	13	90	ŝ	13	14	11	25	11	10	21	~	00	16
	Atmospheric Sci. & Meteoralogy	28	26	54	20	18	38	15	14	29	17	12	29	22	12	34
	Chemical Sciences/Industrial Chemistry	24	6	33	29		29	19		19	19		19	10		10
	Chemistry	418	130	548	471	172	643	474	224	698	460	197	657	505	205	710
	Geophysical Fluid Dynamics		F	1		æ	ŝ		ę	m		m	m		-	H
	Materials Science		4	4		2	2		\$	'n		'n	UN .		4	4
	Oceanography/Marine Science	10	35	45	10	25	35	9	27	33	7	35	37	-	46	47
	Physics	159	141	300	190	123	313	174	3.40	314	182	137	319	166	- 120	286
	Radiation Physics	80		60	4		4	4		4	ø		Q	Ś		S
And the second second second	and work others and and and and and	633	THE .	1001	121	114	10201	700	410	1,130	160	705	3.696	713	-	1000
Grand Total		4,095	2,074	6,169	4,411	2,270	6,681	4,425	2,457	6,882	4,725	2,490	7,215	5,074	2,347	7,421

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Degrees Awarded in Programs Potentially Leading to Careers in the Aerospace Industry by Institution & Degree Level

eld East	Program	Institution	Dogree Level 20	114-2015 20	15-2016 20	16-2017 26	12020308 210	18-20
ngineering	Aerospace, Aeronautical and Astronautical/Space En	UCF	BACCALAUREATE	88	111	105	97	15
			MASTERS	8	10	17	14	2
		UCF Total		96	121	122	111	17
	and a manufacture or sound to some	UF	BACCALAUREATE	112	81	85	83	10
		01	MASTERS	18	22	27	21	2
						8	5	
			DOCTORATE	2	10			1.
		UF Total		132	113	120	109	14
	Aerospace, Aeronautical and Astronautical/Space En Total			228	234	242	220	3:
	Bioengineering and Biomedical Engineering	FAMU	MASTERS			1		
			DOCTORATE					
		FAMU Tot	al			1		
	and the second	FAU	MASTERS	7	5	7	16	
		FAU Total	MASILAS	7	5	7	16	
			BACCAL MURCHTC				31	
		FGCU	BACCALAUREATE	17	30	38		4 1 14 11111
	M21	FGCU Tota		17	30	38	31	
		FIU	BACCALAUREATE	66	78	74	96	
			MASTERS	5	7	5	9	
			DOCTORATE	6	4	2	1	
		FIU Total		77	89	81	106	
	BARTIN COMM IN	FSU	MASTERS		3	1	4	
			DOCTORATE		1	2		
			DUCIUNAIE			3	4	
		FSU Total			4	5		
		UCF	MASTERS				2	
		UCF Total					2	
		UF	BACCALAUREATE	22	33	34	35	
			MASTERS	35	31	57	28	
			DOCTORATE	18	17	16	17	
		UF Total		75	81	107	80	1
	- 000 K 401 W 1 W 1		MARTERC	16	28	13	25	
		USF	MASTERS	the second second second second second		4	25	
			DOCTORATE	4				
		USF Total		20	31	17	27	
	Bloengineering and Blomedical Engineering Total			196	240	254	266	3
	Biological/Biosystems Engineering	UF	BACCALAUREATE	18	27	36	35	
		UF Total		18	27	36	35	
	Biological/Biosystems Engineering Total			18	27	36	35	
		FAMIL	BACCALALIBEATE	1	6	5	3	
***	Chemical Engineering	FAMU	BACCALAUREATE	*		1		
			MASTERS			T		
			DOCTORATE					
		FAMU Tot	al	1	6	6	3	
		FSU	BACCALAUREATE	64	66	62	76	
			MASTERS	5	8	7	5	
			DOCTORATE	3	3	6	2	
		FSU Total		72	77	75	83	
		UF	BACCALAUREATE	132	143	114	130	1
		UF				49	60	
			MASTERS	61	65			
			DOCTORATE	16	18	20	11	
		UF Total		209	225	183	201	-
		USF	BACCALAUREATE	71	91	89	138	
	wp.m		MASTERS	9	7	5	11	
			DOCTORATE	4	5	6	1	
		1305 T-4 1	DOCTORATE	84	103	100	150	3
		USF Total						
	Chemical Engineering Total			365	412	364	437	•
	Coastal & Ocean Engineering	FAU	BACCALAUREATE	24	32	38	27	
			MASTERS	17	11	12	14	
			DOCTORATE	3	3	6	2	
		FAU Total		44	46	56	43	
		UF	MASTERS	15	9	3	4	
		01		4	2	1	3	
			DOCTORATE					
		UF Total		19	11	4	7	
	Coastal & Ocean Engineering Total			63	57	60	50	
	Computer and Information Sciences, General	FGCU	BACCALAUREATE	Э				
		FGCU Tota		3				
	Computer and Information Sciences, General Total		and the second second	3				
		CANALI	BACCALAUREATE	5	6	8	4	
	Computer Engineering	FAMU						
or a second s	1 10 MM 11 1 10 MM	FAMU Tot		5	6	8	4	
		FAU	BACCALAUREATE	26	40	31	39	
			MASTERS	9	7	16	14	
			DOCTORATE	7	1	3	2	
		FAU Total		42	48	50	55	
	2000 C					85	76	
		FIU	BACCALAUREATE	71	63			
			MASTERS	17	24	38	27	
					87	123	103	

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	Program	hattartion	Degree kevel 20	14-2615 DA	15-2016 20	16-2017 20	17-2018 20	118-20
and the second se	Program	POLY	BACCALAUREATE	and the second	and the state of the second	1	25	2
		POLY Total				1	25	
				10	25	33	27	1
		FSU	BACCALAUREATE	19				1
		FSU Total		19	25	33	27	
		UCF	BACCALAUREATE	101	90	109	117	12
			MASTERS	18	14	35	42	2
			DOCTORATE	2	7	5	7	
		UCF Total		121	111	149	166	14
		UF	BACCALAUREATE	62	90	90	79	10
		UP		89	47	19	28	
			MASTERS					÷
			DOCTORATE	13	12	10	8	
		UF Total		164	149	119	115	13
		USF	BACCALAUREATE	36	44	50	45	
			MASTERS	15	8	12	7	
			DOCTORATE	7	10	5	12	
	Not come to a proposition listed	USF Total		59	62	67	64	
		UWF	BACCALAUREATE	12	16	19	14	
		UWF Total		12	16	19	14	
	Computer Engineering Total			510	504	569	573	6
	Computer Software & Media Applications Other	FGCU	BACCALAUREATE	27	1			
	Computer Software of wedia Applications Other	FGCU Tota		27	1			
		rucu iota						
	Computer Software & Media Applications Other Total			27	1		~	
	Computer Software Engineering	FGCU	BACCALAUREATE		45	34	61	
		FGCU Tota	4		45	34	61	
	Computer Software Engineering Total				45	34	61	
		COMIT	BACCALAUREATE	3	11	6	2	
	Electrical and Electronics Engineering	FAMU		2	14	3	2	-
			MASTERS			5		
			DOCTORATE		2		1	
		FAMU Tota	al	3	13	9	5	
		FAU	BACCALAUREATE	49	54	49	56	
		1.70	and a second	10	16	7	14	
			MASTERS		10	3	3	
			DOCTORATE	7				
		FAU Total		66	70	59	73	
		FIU	BACCALAUREATE	121	136	102	109	
			MASTERS	40	33	33	22	
			DOCTORATE	6	15	14	22	
			DOCTORATE					1
		FIU Total		167	184	149	153	
		POLY	BACCALAUREATE			2	28	
		POLY Total	1			2	28	
		FSU	BACCALAUREATE	50	47	60	37	
			MASTERS	8	19	18	9	
				7	5	8	11	
			DOCTORATE					
		FSU Total		65	71	86	57	
		UCF	BACCALAUREATE	139	169	171	127	
	very service of a factor of the service of the serv		MASTERS	45	53	42	37	
			DOCTORATE	14	16	15	19	
		HEE T-A-1		198	238	228	183	
		UCF Total					95	
		UF	BACCALAUREATE	111	99	123		
			MASTERS	117	176	231	165	
			DOCTORATE	33	32	29	37	
		UF Total		261	307	383	297	
		UNF	BACCALAUREATE	20	32	18	26	
	pa, gypolasses allocat the s of MD11 - 1000 MB	UNE				3	1	
			MASTERS	2	2			
		UNF Total		22	34	21	. 27	
		USF	BACCALAUREATE	87	83	70	98	
			MASTERS	117	129	173	146	
			DOCTORATE	17	12	14	21	
		USF Total		221	224	257	265	
,							70	
		UWF	BACCALAUREATE	64	47	65		
		UWF Tota		64	. 47	65	70	-
	Electrical and Electronics Engineering Total			1,067	1,188	1,259	1,158	1,
	Industrial & Systems Engineering	FIU	MASTERS					
	muustriai or systems ziigineeniig	FIU Total						
			DACCALAUDEATE	110	151	133	103	
		UF	BACCALAUREATE	128				
			MASTERS	55	66	83	72	
			DOCTORATE	11	7	7	1	
		UF Total		194	224	223	176	
				194	224	223	176	
	A structure of the state of the	OF TOtal						
	Industrial & Systems Engineering Total		DACCAL MUNICATE				2	
	Industrial & Systems Engineering Total Industrial/Manufacturing Engineering	FAMU	BACCALAUREATE	7	5	3	2	
			BACCALAUREATE MASTERS			3 2	4	
				7	5	3	4 1	
		FAMU	MASTERS DOCTORATE	7	5 3	3 2 1	4	
			MASTERS DOCTORATE	7	5	3 2	4 1	

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leid	Program	Institution	Degree Level 2	014-2015 2	015-2016 2	016-2017 20	17-2018 2	018-20
	1101-201-41	and an and a second second	DOCTORATE		4	6	2	
		FSU Total		23	75	58	53	5
		UCF	BACCALAUREATE	93	103	134	125	9
			MASTERS	57	48	31	45	
			DOCTORATE	13	13	12	10	
		UCF Total		163	164	177	180	14
		USF	BACCALAUREATE	42	42	58	84	7
	MAN		MASTERS	11	12	30	51	
		1155 T	DOCTORATE	6	9	4	2	10
		USF Total		59	63	92	137 377	31
	Industrial/Manufacturing Engineering Total	1155	ANCON AUDIOLATE	253	310 S	333 14	13	3.
	Laser and Optical Engineering	UCF	BACCALAUREATE	1	24	14	21	
			MASTERS	16 22	17	19	12	
		UCF Total	DOCTORATE	39	46	41	46	
	to an a different function of a state	UCF TOTAL		39	46	41	46	
	Laser and Optical Engineering Total	FIU	MASTERS	6	7	5	2	
	Materials Engineering	FIO	DOCTORATE	3	3	6	5	
		FIU Total	OUCIONATE	9	10	11	7	
		UCF	MASTERS	11	12	6	8	
		UCF	DOCTORATE	3	3	15	5	
		UCF Total	COCIONAL	14	15	21	13	
		UF	BACCALAUREATE	40	26	39	47	
		01	MASTERS	67	57	94	69	
			DOCTORATE	20	22	22	20	
- mandada	108-111-	UF Total	Secondite	127	105	155	136	
		USF	MASTERS	5	7	19	13	
		USF Total		5	7	19	13	
	Materials Engineering Total			155	137	206	169	1
	Mechanical Engineering	FAMU	BACCALAUREATE	2	7	7	2	
	Meetinanical Linguieering	17400	MASTERS	1	1	2	1	
			DOCTORATE			1		
		FAMU Tot		3	8	10	3	
		FAU	BACCALAUREATE	63	64	75	70	
		1110	MASTERS	7	7	12	18	
			DOCTORATE		4	1	5	
		FAU Total		70	75	88	93	1
		FIU	BACCALAUREATE	103	125	122	150	1
			MASTERS	14	9	18	9	
			DOCTORATE	4	4	2	3	
		FIU Total		121	138	142	162	1
		POLY	BACCALAUREATE			6	53	
		POLY Tota				6	53	
		FSU	BACCALAUREATE	102	111	89	112	1
			MASTERS	15	18	13	25	
			DOCTORATE	5	6	3	11	
		FSU Total	- Tantalirika - Carana na	122	135	105	148	
		UCF	BACCALAUREATE	331	339	319	318	3
			MASTERS	42	30	29	34	
			DOCTORATE	11	14	8	15	
		UCF Total		384	383	356	367	4
		UF	BACCALAUREATE	323	269	293	342	
			MASTERS	80	152	105	152	
			DOCTORATE	42	20	28	22	
		UF Total		445	441	426	516	
		UNF	BACCALAUREATE	49	54	34	74	
			MASTERS	3	3	2	8	
		UNF Total		52	57	36	82	
		USF	BACCALAUREATE	136	151	159	212	
			MASTERS	21	32	50	53	
			DOCTORATE	5	10	6	6	
		USF Total		162	193	215	281	
		UWF	BACCALAUREATE				11	1.00
		UWF Tota	ł				11	
	Mechanical Engineering Total			1,359	1,430	1,384	1,716	1,8
	Telecommunications Engineering	FIU	MASTERS	18	13	10	9	
		FIU Total		18	13	10	9	
	Telecommunications Engineering Total			18	13	10	9	
wering Tatal		The state of the s	States and the	4,495	ANS: N	5,015	5,291	1
eering Technician	Electronic Engineering Technology	FAMU	BACCALAUREATE	6	8	7	9	
		FAMU Tot		6	8	7	9	
	Electronic Engineering Technology Total			6	8	7	9	
	Engineering Management	FIU	MASTERS				80	
							80	

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eld	Program	Institution	Degree Level	2014-2015 201	5-2016 20	16-2017 20		
	Engineering Management Total						80	7
	Engineering Technologies and Engineering-Related F	UWF	BACCALAUREATE	13	25	31	26	2
		UWF Total		13	25	31	26	2
	Engineering Technologies and Engineering-Related F Total			13	25	31	26	2
tana atala sa	Engineering/Industrial Management	UCF	MASTERS	18	53	15	56	3
	engineeringimeerine menogement	UCF Total		18	53	15	56	3
		USF	MASTERS	58	51	78	53	4
		USF Total	110101010	58	51	78	53	4
	and the second second second second second second	OSF TOtal		76	104	93	109	7
	Engineering/Industrial Management Total	1100	MARTERS	70	4	15	11	
	Nanotechnology	UCF	MASTERS				11	
		UCF Total			4	15		
	Nanotechnology Total				4	15	11	
ginanthe Technician To		- C. M	54. L <u>8.0</u> -	95	241.	146	255	1
athematics & Statistics	Applied Mathematics, General	FAU	MASTERS		5	10	2	
		FAU Total			5	10	2	
		FGCU	MASTERS	1	6	7	5	
		FGCU Tota		1	б	7	5	
		FIU	MASTERS	5	6	7	3	
	NAME AND ADDRESS OF AD			5	6	7	3	
Mar 1 11 11 11 11 11 11	5 (ampara/010)	FIU Total	AAACTERC	9	and it is	21	13	
		UCF	MASTERS		12			
			DOCTORATE	7	1	6	2	
		UCF Total		16	13	27	15	
		UNF	MASTERS	5	8	5	8	
		UNF Total		S	8	5	8	
	Applied Mathematics, General Total			27	38	56	33	
	Mathematics, General	FAMU	BACCALAUREATE	8	4	6	2	
	memoriality concern	FAMU Tota		8	4	6	2	
		FAU	BACCALAUREATE	37	35	30	26	
		TAU		13	8	11	12	
			MASTERS		5	4	6	
			DOCTORATE	5			44	
		FAU Total		55	48	45		
		FGCU	BACCALAUREATE	13	21	14	12	
		FGCU Tota	I	13	21	14	12	
		FIU	BACCALAUREATE	17	26	20	27	
		FIU Total		17	26	20	27	
		FSU	BACCALAUREATE	69	91	69	66	
			MASTERS	44	17	24	27	
			DOCTORATE	14	16	16	24	
		COLL T- A-1	DOCIONAIE			109	117	
		FSU Total		127	124			
		UCF	BACCALAUREATE	28	29	40	41	
		UCF Total		28	29	40	41	
		UF	BACCALAUREATE	93	73	73	98	1
			MASTERS	6	17	15	14	
			DOCTORATE	7	9	8	10	
in and		UF Total		106	99	96	122	1
		UNF	BACCALAUREATE	19	19	29	18	
			UNCOLINIAL	19	19	29	18	
		UNF Total						
		USF	BACCALAUREATE	53	42	49	43	
			MASTERS	16	8	7	8	
			DOCTORATE	6	3	11	12	
		USF Total		75	53	67	63	
		UWF	BACCALAUREATE.	20	19	24	11	
			MASTERS	31	40	41	39	
		UWF Tota		51	59	65	50	
	Mathematics Conserl Tatel			499	482	491	496	5
CONTRACTOR OF STREET, STRE	Mathematics, General Total		A STATE OF THE OWNER	433	570	11111	525	
mensilies a statistics		7.011	DACCALANOPIE			4	3	-
erdisciplinary Studies	Computational Science	FSU	BACCALAUREATE	4	6	4		
	AND ADDRESS ADDRES		MASTERS	4	7	6	10	
			DOCTORATE	2	7	3	5	
		FSU Total		10	20	13	18	
		UCF	MASTERS				12	
		UCF Total					12	
	Computational Science Total			10	20	13	30	
	Computer and Information Sciences, Oth.	FIU	MASTERS					
	comparer and materialion beleates, our,	FIU Total						
			ALL CTODE				7	
		NCF	MASTERS					
		NCF Total					7	
	Computer and Information Sciences, Oth. Total						7	
	Modeling and Simulation	UCF	MASTERS	28	39	26	18	
			DOCTORATE	8	13	5	7	
		UCF Total		35	52	31	25	
	Bendation and Classifician Tatal	ou rota		36	52	31	25	
	Modeling and Simulation Total			30				
window with the second second second		and the second second			1.8			
ysical Sciences	Astronomy	UF	BACCALAUREATE	8	8	14	62 11	

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	Program	Institution	Degree Level	2014-2015 20				18-20
	and the south		MASTERS	5	3	7	2	
	TELEVISION OF PROPERTY AND A STATEMENT	10 Y	DOCTORATE		2	4	8	
		UF Total		13	13	25	21	
	Actronomy Total			13	13	25	21	:
	Astronomy Total	FSU	BACCALAUREATE	28	20	15	17	
	Atmospheric Sci. & Meteorology	F30		18	11	9	7	
			MASTERS	18	7	5	5	
			DOCTORATE					
		FSU Total		54	38	29	29	-
	Atmospheric Sci. & Meteorology Total			54	38	29	29	3
	Chemical Sciences/Industrial Chemistry	FSU	BACCALAUREATE	24	29	19	19	
		FSU Total		24	29	19	19	
		UCF	MASTERS	9				
	м.	UCF Total		9				
	at a time of the test of the second or we had	UCF TOtal		33	29	19	19	
	Chemical Sciences/Industrial Chemistry Total		DACCALALIDEATE		6	3	7	
	Chemistry	FAMU	BACCALAUREATE	8			1	
			MASTERS	2	4	2		
		FAMU Tota		10	10	5	8	
		FAU	BACCALAUREATE	38	45	35	25	
			MASTERS		2	14	5	
			DOCTORATE	Э		4	5	
		FAU Total		41	47	53	35	
		FGCU	BACCALAUREATE	12	13	7	5	
				12	13	7	5	
		FGCU Tota						
		FIU	BACCALAUREATE	82	118	113	107	
			MASTERS	2	1	32	9	
			DOCTORATE	14	15	16	22	
		FIU Total		98	134	161	138	
		FSU	BACCALAUREATE	27	31	35	26	
			MASTERS	6	14	42	27	
				18	30	19	23	
			DOCTORATE				76	
		FSU Total		51	75	96		
		UCF	BACCALAUREATE	26	25	39	37	
			MASTERS		17	14	7	
			DOCTORATE	17	13	4	14	
		UCF Total		43	55	57	58	
		UF	BACCALAUREATE	127	114	131	148	
		UF						
		and the second second second	MASTERS	11	11	15	11	
			DOCTORATE	28	50	46	48	
		UF Total		166	175	192	207	
		UNF	BACCALAUREATE	15	21	21	18	
		UNF Total		15	21	21	18	
		USF	BACCALAUREATE	57	74	64	70	
			MASTERS	6	5	3	4	
				23	10	13	21	
			DOCTORATE			80	95	
		USF Total		86	89			
		UWF	BACCALAUREATE	26	24	26	17	
		UWF Tota	l	26	24	26	17	
	Chemistry Total			548	643	698	657	
	Geophysical Fluid Dynamics	FSU	DOCTORATE	1	3	3	3	
	Geophysical right bynamics	FSU Total		1	3	3	3	
		F30 10[3]		*	3	3	3	
				4		3	2	
	Geophysical Fluid Dynamics Total			1				
	Geophysical Fluid Dynamics Total Materials Science	FSU	MASTERS	2	2	2		
		FSU	MASTERS DOCTORATE	2 2	2	3	5	
		FSU FSU Total		2				
118 1800	Materials Science			2 2	2	3	5	
	Materials Science Materials Science Total	FSU Total	DOCTORATE	2 2 4 4	2 2 2	3 5 5	5	
	Materials Science		DOCTORATE	2 2 4 4 13	2 2 2 5	3 5 5 4	5 5 5 13	
	Materials Science Materials Science Total	FSU Total FSU	DOCTORATE	2 4 4 13 2	2 2 5 4	3 5 5 4 4	5 5 13 4	
	Materials Science Materials Science Total	FSU Total FSU FSU Total	DOCTORATE MASTERS DOCTORATE	2 2 4 13 2 15	2 2 5 4 9	3 5 5 4 4 8	5 5 13 4 17	
	Materials Science Materials Science Total	FSU Total FSU	DOCTORATE MASTERS DOCTORATE MASTERS	2 2 4 13 2 	2 2 5 4 9 12	3 5 4 4 8 9	5 5 13 4 17 9	
	Materials Science Materials Science Total	FSU Total FSU FSU Total USF	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE	2 2 4 13 2 15 12 8	2 2 5 4 9 12 4	3 5 4 4 8 9 10	5 5 13 4 17 9 9	
	Materials Science Materials Science Total	FSU Total FSU FSU Total	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE	2 2 4 13 2 	2 2 5 4 9 12	3 5 4 4 9 10 19	5 5 13 4 17 9 9 18	
	Materials Science Materials Science Total	FSU Total FSU FSU Total USF USF Total	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE	2 2 4 13 2 15 12 8 20	2 2 5 4 9 12 4	3 5 4 4 9 10 19	5 5 13 4 17 9 9	
	Materials Science Materials Science Total	FSU Total FSU FSU USF USF Total UWF	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE BACCALAUREATE	2 2 4 13 2 15 12 8 20 10	2 2 5 4 9 12 4 16 10	3 5 4 4 9 10 19 6	5 5 13 4 17 9 9 18 2	
	Materials Science Materials Science Total Oceanography/Marine Science	FSU Total FSU FSU Total USF USF Total	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE BACCALAUREATE	2 2 4 13 2 	2 2 5 4 9 12 4 16 10 10	3 5 4 4 9 10 19 6 5	5 5 13 4 17 9 9 18 2 2	
	Materials Science Materials Science Total Oceanography/Marine Science Oceanography/Marine Science Total	FSU Total FSU FSU Total USF USF Total UWF UWF Tota	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE BACCALAUREATE	2 2 4 13 2 15 12 8 20 10 10 45	2 2 5 4 9 12 4 16 10 10 35	3 5 4 4 9 10 19 6	5 5 13 4 17 9 9 18 2 2 2 37	
	Materials Science Materials Science Total Oceanography/Marine Science	FSU Total FSU FSU USF USF Total UWF	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE BACCALAUREATE BACCALAUREATE	2 2 4 13 2 15 12 8 20 10 10 45	2 2 5 4 9 12 4 16 10 10	3 5 4 4 9 10 19 6 6 5 33	5 5 13 4 17 9 9 18 2 2 37 1	
	Materials Science Materials Science Total Oceanography/Marine Science Oceanography/Marine Science Total	FSU Total FSU FSU Total USF USF Total UWF UWF Tota	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE BACCALAUREATE	2 2 4 13 2 15 12 8 20 10 10 10 45 3	2 2 5 4 9 12 4 16 10 10 35 3	3 5 4 4 9 10 19 6 5	5 5 13 4 17 9 9 18 2 2 2 37	
	Materials Science Materials Science Total Oceanography/Marine Science Oceanography/Marine Science Total	FSU Total FSU FSU Total USF USF Total UWF UWF Tota	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE BACCALAUREATE BACCALAUREATE	2 2 4 13 2 15 12 8 20 10 10 45	2 2 5 4 9 12 4 16 10 10 35	3 5 4 4 9 10 19 6 6 5 33	5 5 13 4 17 9 9 18 2 2 37 1	
	Materials Science Materials Science Total Oceanography/Marine Science Oceanography/Marine Science Total	FSU Total FSU FSU Total USF USF Total UWF UWF Tota FAMU	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE BACCALAUREATE MASTERS DOCTORATE	2 2 4 13 2 15 12 8 20 10 10 10 45 3 3	2 2 5 4 9 12 4 16 10 10 35 3 1	3 5 4 4 8 9 10 19 6 6 33 3 1	5 5 13 4 17 9 9 18 2 2 37 1	
	Materials Science Materials Science Total Oceanography/Marine Science Oceanography/Marine Science Total	FSU Total FSU FSU USF USF Total UWF UWF Tota FAMU Tota	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE BACCALAUREATE MASTERS DOCTORATE AUTORATE	2 2 4 13 2 15 12 8 20 10 10 45 3 3 6	2 2 5 4 9 12 4 16 10 10 35 3 1 4	3 5 5 4 4 8 9 10 19 6 6 33 1 1	5 5 13 4 17 9 9 18 2 2 37 1 1 1 2	
	Materials Science Materials Science Total Oceanography/Marine Science Oceanography/Marine Science Total	FSU Total FSU FSU Total USF USF Total UWF UWF Tota FAMU	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE BACCALAUREATE MASTERS DOCTORATE MASTERS DOCTORATE	2 4 4 13 2 15 12 8 20 10 10 45 3 3 3 6 9	2 2 5 4 9 12 4 16 10 10 35 3 1 4 13	3 5 4 4 8 9 10 19 6 6 33 3 1 1 12	5 5 5 13 4 	
	Materials Science Materials Science Total Oceanography/Marine Science Oceanography/Marine Science Total	FSU Total FSU FSU USF USF Total UWF UWF Tota FAMU Tota	DOCTORATE MASTERS DOCTORATE BACCALAUREATE BACCALAUREATE MASTERS DOCTORATE BACCALAUREATE BACCALAUREATE MASTERS	2 4 4 13 2 15 12 8 20 10 10 10 45 3 3 6 9 4	2 2 5 4 9 12 4 16 10 10 35 3 1 4 13 1	3 5 4 4 8 9 10 19 6 5 33 1 1 12 6	5 5 5 13 4 17 9 9 18 2 2 2 37 1 1 1 2 11 2	
	Materials Science Materials Science Total Oceanography/Marine Science Oceanography/Marine Science Total	FSU Total FSU FSU USF USF Total UWF UWF Tota FAMU Tota	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE BACCALAUREATE MASTERS DOCTORATE MASTERS DOCTORATE	2 4 4 13 2 15 12 8 20 10 10 45 3 3 3 6 9	2 2 5 4 9 12 4 16 10 10 35 3 1 4 13 1 4	3 5 4 4 8 9 10 19 6 5 33 1 1 12 6 4	5 5 13 4 17 9 9 9 18 2 2 37 1 1 1 2 2 11 2 2 2	
	Materials Science Materials Science Total Oceanography/Marine Science Oceanography/Marine Science Total	FSU Total FSU FSU USF UWF UWF Total UWF UWF Total FAMU FAMU FAMU FAMU	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE BACCALAUREATE MASTERS DOCTORATE BACCALAUREATE MASTERS DOCTORATE MASTERS DOCTORATE	2 4 4 13 2 15 12 8 20 10 10 10 45 3 3 6 9 4	2 2 5 4 9 12 4 16 10 10 35 3 1 4 13 1	3 5 4 4 8 9 10 19 6 5 33 1 1 12 6	5 5 5 13 4 17 9 9 18 2 2 2 37 1 1 1 2 11 2	
	Materials Science Materials Science Total Oceanography/Marine Science Oceanography/Marine Science Total	FSU Total FSU FSU USF USF Total UWF UWF Tota FAMU Tota	DOCTORATE MASTERS DOCTORATE MASTERS DOCTORATE BACCALAUREATE MASTERS DOCTORATE BACCALAUREATE MASTERS DOCTORATE MASTERS DOCTORATE	2 2 4 13 2 15 12 8 20 10 10 10 10 45 3 3 6 9 4 4 1 14	2 2 5 4 9 12 4 16 10 10 35 3 1 4 13 1 4	3 5 4 4 8 9 10 19 6 5 33 1 1 12 6 4	5 5 13 4 17 9 9 9 18 2 2 37 1 1 1 2 2 11 2 2 2	

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ld	Program	Institution	Degree Level	2014-2025 2	015-2016 2	016-2017 2	017-2018 2	018-2019
			DOCTORATE	4	4	6	5	5
		FIU Total		22	30	36	35	40
		FSU	BACCALAUREATE	26	18	33	11	22
			MASTERS	36	15	11	30	8
			DOCTORATE	16	19	26	10	16
		FSU Total		78	52	70	51	46
		UCF	BACCALAUREATE	26	22	23	22	25
			MASTERS	4	12	10	14	11
			DOCTORATE	21	17	14	13	12
		UCF Total		51	51	47	49	48
		UF	BACCALAUREATE	34	48	32	35	34
			MASTERS	9	9	12	19	15
	-		DOCTORATE	19	20	18	13	14
		UF Total		62	77	62	67	63
		UNF	BACCALAUREATE	16	20	15	22	19
		UNF Total		16	20	15	22	19
		USF	BACCALAUREATE	18	35	30	40	27
			MASTERS	14	5	10	10	7
			DOCTORATE	8	7	13	16	6
		USF Total		40	47	53	66	40
		UWF	BACCALAUREATE	11	14	8	12	8
		UWF Tota	[11	14	8	12	8
	Physics Total			300	313	314	319	286
	Radiation Physics	FSU	BACCALAUREATE	8	4	4	6	5
	nau o o na	FSU Total		8	4	4	6	9
	Radiation Physics Total			8	4	4	6	5
THE REPORT OF	The second	and the second second	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1100	1.010	1.1.10	1,096	2411
rand Total				6,169	6,681	6,882	7.215	7,421

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