

# INFORMATION TECHNOLOGY INDUSTRY OVERVIEW



DRIFT

**With exponential growth in the industry, Tampa Bay has quickly become a hub for rapidly expanding information technology companies. Over the last five years, the IT sector grew 28% in Hillsborough County, 7% more than the national average. According to Dice, Tampa alone makes up 25% of Florida's tech jobs.**

Tampa Bay's emerging tech scene is gaining national attention, too. Smart Asset ranked Tampa one of the best places to work in tech, Forbes named Tampa the #1 emerging tech market in the U.S., and CBRE named Tampa among the next 10 tech markets to grow. Innovative tech companies are starting to take notice, too. Avanade, Drift, OPSWAT, Rapid7 and Wise are just a few of the companies that have opened new offices in Tampa in recent years.

Tampa Bay's talent pipeline is fueled by major universities offering dozens of IT-centric degree programs and curricula in high demand specializations, such as data science/engineering, software development/engineering, and cybersecurity.

The region is also home to Cyber Florida, a first-of-its-kind, shared resource for Florida's stakeholders in higher education, government, defense, and industry.

**“TAMPA'S COLLABORATIVE BUSINESS ENVIRONMENT IS LIKE NO OTHER. WE BUILT A NETWORK OF CONTACT BEFORE EVEN LANDING HERE.”**

- ELIAS TORRES, FOUNDER AND CTO, DRIFT

TAMPABAYEDC.COM

## TAMPA BAY'S LEADING IT COMPANIES:



- A-Lign
- Abacode
- Ashcomm LLC
- Avalon Healthcare Solutions
- Cognizant
- DAS Health
- Digital Hands
- Drift
- DXC Technologies
- Fintech
- Healthesystems
- IBM
- IQVIA
- mhk
- Microsoft
- myMatrixx
- Nextech
- Opswat
- Penske
- SourceToad
- Sykes Enterprises
- Syniverse
- TheIncLab
- Wise
- Webstaurant Store

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**#1 Emerging  
tech city** in  
the U.S.  
— Forbes, 2021

## TAMPA MSA

**IT INDUSTRY SECTOR  
ESTABLISHMENTS: 4,312**

**#6 for tech  
worker  
relocations**

— LinkedIn, 2021

Source: D&B Hoovers | Establishments | Note: 2017 NAICS from D&B Hoovers were used to calculate number of establishments.

# EMPLOYED BY INDUSTRY				AVERAGE WAGES BY INDUSTRY	
NAICS	Information & Technology Occupations	Tampa MSA	FLORIDA		
				TAMPA MSA	USA
541511	Custom Computer Programming Services	8,306	51,861	\$100,283 \$155,933	
541512	Computer Systems Design Services	8,520	48,821	\$102,196 \$129,152	
541513	Computer Facilities Management Services	954	8,243	\$114,631 \$122,767	
541519	Other Computer Related Services	1,245	8,907	\$98,160 \$137,154	
511210	Software Publishers	4,137	22,497	\$130,657 \$197,644	
<b>TOTAL EMPLOYED</b>		<b>23,162</b>	<b>140,329</b>	<b>AVERAGE WAGES</b> \$109,185 \$148,530	

# EMPLOYED BY OCCUPATION				AVERAGE WAGES BY OCCUPATION	
SOC	Information & Technology Occupations	Tampa MSA	FLORIDA		
				TAMPA MSA	USA
11-3020	Computer and Information Systems Managers	3,909	22,854	\$150,100 \$161,700	
15-1210	Computer and Information Analysts	6,949	39,419	\$89,700 \$100,600	
15-1220	Computer and Information Research Scientists	208	1,278	\$99,700 \$130,900	
15-1230	Computer Support Specialists	8,476	50,095	\$58,100 \$60,100	
15-1240	Database and Network Administrators and Architects	6,040	34,985	\$93,100 \$99,600	
15-1250	Software and Web Developers, Programmers, and Testers	15,270	89,441	\$96,900 \$110,200	
15-1290	Miscellaneous Computer Occupations	1,920	12,608	\$92,400 \$96,700	
17-2060	Computer Hardware Engineers	653	3,564	\$96,600 \$126,100	
<b>TOTAL EMPLOYEES</b>		<b>43,426</b>	<b>254,243</b>	<b>AVERAGE WAGES</b> \$97,075 \$110,738	

Note: Figures may not sum due to rounding.

Source: Chmura JobsEQ | Employment data as of 2021Q3. Employment and unemployment data represent a four-quarter moving average.

## #1 State for higher education

— U.S. News & World Report, 2021



A top 50 public university, according to U.S. News & World Report, the University of South Florida's College of Computer Science and Engineering prepares students for professions as software developers, computer support specialists, computer systems analysts and other in-demand STEM occupations with both undergraduate and graduate degree programs. USF CSE is in the top sixth of computer science departments in U.S. public universities. The latest U.S. News & World Report ranks USF's computer engineering program 52 among public universities and its Master of Science in Information Technology program 10th for online IT programs.

USF CSE offers four undergraduate degree programs - the Bachelor of Science in Computer Science, Computer Engineering, Information Technology, and Cybersecurity. Total undergraduate enrollment, including pre-majors, currently exceeds 2,000 students, or about 40% of the total population of undergraduate students in the College of Engineering. Students have a variety of options at the graduate level - three Master of Science programs in Computer Science, Computer Engineering, and Information Technology, and the PhD in Computer Science and Engineering. More than two-thirds of USF CSE's graduates find jobs in the state of Florida and are actively contributing to its economic prosperity.

USF is home to CyberFlorida, which is dedicated to positioning Florida as a national leader in cybersecurity, and the Institute for AI+X at USF, which aims to build a world-class academic R&D center conducting externally-funded research in artificial intelligence. In response to industry concerns, the Computing Partners Program was created to provide a structured engagement with students for internships and jobs.

## INFORMATION TECHNOLOGY RELATED DEGREES

PROGRAMS AND OCCUPATIONS	DEGREE LEVEL	TAMPA MSA		FLORIDA	
		2016-2020 5-Year Total	5-Year % Growth	2016-2020 5-Year Total	5-Year % Growth
Computer and Information Sciences and Support Services	Associate's	1,453		10,549	
	Bachelor's	3,118		20,051	
	Master's	1,486		7,407	
<b>TOTAL</b>		<b>6,057</b>	<b>11.0%</b>	<b>38,007</b>	<b>7.0%</b>
Computer Engineering	Associate's			80	
	Bachelor's	270		3,121	
	Master's	43		685	
<b>TOTAL</b>		<b>313</b>	<b>42.3%</b>	<b>3,886</b>	<b>24.4%</b>
Mathematics and Statistics	Associate's	0		0	
	Bachelor's	447	23.7%	3,404	13.6%
	Master's	121		1,456	
<b>TOTAL</b>		<b>568</b>	<b>67.8%</b>	<b>4,860</b>	<b>41.8%</b>

Source: Chmura JobsEQ 2020. Data as of the 2019-2020 academic year end in the spring semester of the displayed year.



The University of Tampa has robust programs in both Computer Science and Information & Technology Management. The Information and Technology Management (ITM) Department builds leaders fluent in the development, application and management of information systems, who grasp the quantitative analysis of data and information, and who apply operations management concepts in their organizations. Undergraduate degree programs include cybersecurity, business information technology, management information systems and financial enterprise systems. Graduate and certificate programs in cybersecurity are also available.

UT's B.S. in Computer Science is a cutting-edge program that teaches students core and contemporary topics in computing and prepares them for challenging roles in a growing industry. The comprehensive curriculum covers the fundamentals and applied aspects of hardware and software, as well as advanced topics in machine learning and artificial intelligence, data mining and data management, computer networking and security, web programming and development, and human-computer interaction.



St. Leo University is consistently ranked one of the top universities in the South, according to U.S. News & World Report's "America's Best Colleges" list. St. Leo offers numerous associate's, bachelor's and master's degree programs to equip students with the skills they need to make a positive impact on any IT department upon graduation. Degrees are offered in cybersecurity, computer science, data analytics, data science, software engineering, and computer information systems.



More than 47,000 students are enrolled at HCC, which boasts a 94% satisfaction rate among both enrolled students and graduates. Furthermore, 94% of graduates were employed or continuing their education within a year of completion. HCC offers dozens of associate's degree and certification programs to train students for roles in internet services, network administration, computer programming, cybersecurity, database management, and digital media.



**!P: POTENTIAL UNLEASHED**  
[www.tampainnovation.com](http://www.tampainnovation.com)

!P: Potential Unleashed is multi-jurisdictional district anchored by globally-recognized institutions such as University of South Florida (USF), Moffitt Cancer Center, and Florida Hospital that drive economic activity in the area, engaging tens of thousands of students and educators, health care workers and patients, and four million tourists annually.



**EMBARC COLLECTIVE**  
[www.embarccollective.com](http://www.embarccollective.com)

Embarc Collective helps Tampa Bay's startup talent build bold, scalable, thriving companies. Embarc's staff of executive advisors and function-specific experts deliver individualized support to startups inside its state-of-the-art collaboration facility.



**SYNAPSE FLORIDA**  
[www.synapsefl.com](http://www.synapsefl.com)

Synapse Florida is a nonprofit 501(c)(3) that connects entrepreneurs, investors, and other stakeholders to accelerate success in Florida's thriving economies. Our 3 Pillars of Synapse allows our community to connect online, solve problems and come together at our events.



**TAMPA BAY WAVE**  
[www.tampabaywave.org](http://www.tampabaywave.org)

Tampa Bay Wave, Inc. is a 'by entrepreneurs, for entrepreneurs' nonprofit helping entrepreneurs turn ideas into growing tech businesses in Tampa Bay.



**CYBER FLORIDA**  
[www.cyberflorida.org](http://www.cyberflorida.org)

The first of its kind, FC2 works to position Florida as the national leader in cybersecurity and its related workforce through education, community engagement and innovative, interdisciplinary research.



**FLORIDA HIGH  
TECH CORRIDOR**  
[www.floridahightech.com](http://www.floridahightech.com)

Florida High Tech Corridor is a technology rich region with a mission to grow high tech industry and innovation through partnerships that support research, marketing, workforce, and entrepreneurship. The Florida High Tech Corridor Council is an economic development initiative of three of the country's largest research institutions: University of South Florida, University of Central Florida, and University of Florida.

**TAMPA BAY TECH** **TAMPA BAY TECH**  
<https://tampabay.tech>

Established in 2000, Tampa Bay Tech (formerly known as the Tampa Bay Technology Forum) is Florida's largest technology council dedicated to growing and promoting Tampa Bay's technology industry.



**USF CONNECT**  
[www.research.usf.edu/rf/usf-connect.asp](http://www.research.usf.edu/rf/usf-connect.asp)

USF CONNECT is the business and economic development initiative of USF that provides support for technology start-ups, unites technology and talent with businesses throughout Central Florida, and offers professional amenities and resources for successful business development and technology commercialization.