We seek to put in place exceptional services that facilitate UF’s rise to top ten.

Charles E. “Charlie” Lane, Ph.D.
Senior Vice President and Chief Operating Officer

To view the University of Florida’s Strategic Goals for IT 2015-2020 online or to learn more about UFIT’s governance process, visit: http://www.it.ufl.edu/leadership/strategic-plan
Our work is to support the mission of the University of Florida. We are always looking for ways to partner with our faculty to bring about innovation—in the classroom, the lab, and to our extension programs. Sometimes that means providing new resources to ensure the university’s electronic information technology (EIT) compliance. Other times, innovation leads to developing new models for predicting student success or attracting more investment to HiPerGator, the university’s supercomputer. Having a reputation for innovation draws the brightest minds to our university and jobs to our state. This year our university placed in the U.S. News top-10 publics for the first time. The work it took by our faculty, administration, and state leadership to achieve top-10 is extraordinary. The ranking required innovative approaches in resource allocation and strategic prioritization—two things we focus on daily in UFIT. And now, as President Fuchs says “…Why not top-five?” Why not, indeed!

I’d be happy to have a conversation with you about any topic in our 2016-2017 Contributions Report.

Thank you and…Go Gators!
GOAL #1: CREATE A TECHNOLOGY-SUPPORTED ECOSYSTEM
Outcomes:
• Supported 7,594 web conference sessions in e-Learning, totaling 8,950 hours
• Developed a participation index and predictive model for a Spring 2017 large- enrollment undergraduate class, achieving 96% accuracy in identifying students who were off-track in their academic success
• Added four online computer-based testing booths in Library West
• Enabled 17,986 online surveys with 1,087,207 auditable responses

GOAL #2: TRANSFORM LEARNING SPACES
Outcomes:
• Enabled more than 950,000 computing sessions in UF libraries, labs, learning spaces, and classrooms, including 237,000 sessions in UFApps, the university’s virtual apps service
• Standardized the faculty and student user experience in UF’s collaboration spaces, libraries, the University Athletic Association student labs, and in the UFApps service
• Improved audio-visual support services in UF’s classrooms with new remote support and monitoring
• Completed the deployment of high-definition digital document cameras and podium accessories in UF classrooms
• Expanded UFIT’s support of public workstations in the Education, Architecture & Fine Arts, and Health Science Center libraries

GOAL #3: MOBILIZE TEACHING & LEARNING SERVICES
Outcomes:
• Increased available power outlets for charging mobile devices in numerous classrooms
• Developed training for instructors to learn how to incorporate new technologies into their classroom activities

GOAL #4: OFFER SERVICES FOR RICH MEDIA PRODUCTION
Outcomes:
• Facilitated the creation of 26,000+ multimedia presentations
• Expanded automated recording system capabilities in several high-capacity lecture halls
• Produced 3,748 high-quality studio recordings for online course delivery

GOAL #5: PROVIDE MULTIPLE TECHNOLOGY TRAINING CHANNELS
Outcomes:
• Developed and delivered high-demand SPSS training and consulting
• Added 13 new offerings to UFIT’s Training catalog, and incorporated another 28 existing trainings from around the division into the training.it.ufl.edu umbrella
• Increased face-to-face participation in UFIT workshops by 230% and online participation by 320%
• Received and fulfilled nine on-site custom training requests on the UF, UFHealth, and UFHealth-Jacksonville campuses, and also for IFAS Extension

GOAL #6: ENGAGE WITH LEADING INSTITUTIONS AND ORGANIZATIONS TO FOSTER PARTNERSHIPS AND COLLABORATION
Outcomes:
• Engaged with leading organizations and fellow Research-1 universities to develop analytics in support of advancing teaching and learning
• Worked with other leading public and private peer institutions through the Learning Technology Consortium to improve the design of classrooms and teaching and learning technology services

GOAL #7: SUPPORT AND ENCOURAGE AN INNOVATIVE ENVIRONMENT AND CONTINUOUS IMPROVEMENT
Outcomes:
• Assisted 100+ instructors in enhancing already-developed courses in e-Learning
• Implemented an ePortfolio tool in e-Learning

Project Spotlight – New Classrooms for Flexible Pedagogies

The 260 central classrooms and online learning environment are integral to achieving the university’s teaching and learning mission. Each year, UFIT works with faculty and students to identify how classrooms can be improved. While state-of-the-art digital presentation systems are in all of UF’s classrooms, the conversation now revolves around enabling student-centric pedagogies, flipped pedagogies, and blended courses. Flexibility, adaptability, and convertibility are the metrics driving the upgrade of existing classrooms as well as the design of new classrooms.

During the 2016-17 academic year, UFIT completed 31 classroom renovations and began 16 more. In each of the new classroom designs, flexible furnishings and learner-focused technologies were installed, enabling students to work collaboratively. Wi-Fi expansion and inclusion of power outlets for recharging devices while in class were also planned and configured into the design and build of these spaces. This was done as part of anticipating future needs, where mobile computing devices become an even more prevalent (and less intrusive) component of the classroom experience.

“I recently attended the Course Mapping Bootcamp put on by UFIT’s Center for Instructional Technology and Training (CITT). Initially, I was concerned about spending two full days of my summer at a ‘Bootcamp’ but I am so glad I attended. The CITT staff are exceptional! The workshop was extremely well done and I gained a completely different view on developing courses. What I learned could immediately be implemented into my current courses, and I’m confident that I can now help other faculty build more meaningful courses. All instructors need this kind of training.”

Joslyn Ahlgren, Ph.D.
Senior Lecturer and Undergraduate Coordinator
Department of Applied Physiology & Kinesiology
This year, UFIT launched the Gator Computing Program (GCP), a two-week science, technology, engineering and math (STEM) program for Florida tenth and eleventh graders. Held on June 5-16, 2017, the program attracted more than 60 applicants. Twenty-four exceptional high school students from nine counties—representing the Panhandle to cities in Southeast and Southwest Florida—were selected.

All lecture topics, tours, and activities in the program had computing power and emerging technologies, such as 3-D printing and artificial intelligence, as the commonality for inclusion on the GCP schedule. Participants experienced:

- 12 Visits to UF Facilities, Labs, Institutes, and Centers
- 10 Faculty Lectures
- Eight Computer Programming Lessons

The Gator Computing Program will be offered annually by UFIT, with plans to ask some of this year’s students to serve as mentors for new participants. UF’s Center for Pre-Collegiate Education and Training is helping to identify ways to encourage a more diverse applicant pool.

“Over the course of these two weeks I’ve had so much fun, met so many bright people, and learned so much in the Gator Computing Program. The beauty of the GCP lies in its extraordinary diversity. Students are guaranteed to meet other interesting and creative people that they connect with, as well as discover new ideas that spark their interest. This program touches everything from history and law to agriculture and aerodynamics. This has been an inspiring two weeks that I will carry with me for the rest of my life! The GCP has acted as a light to reveal to me the infinite possibilities in the future of computing.

Thank you for this amazing experience!”

Britney Chu
Junior, Eastside High School
Information Security and Risk Management

LEVERAGE IT RISK MANAGEMENT AND INFORMATION SECURITY PRACTICES TO REDUCE ADVERSE IMPACTS TO THE INSTITUTION

GOAL #1: INTEGRATE BUSINESS AND INFORMATION SECURITY PRACTICES

Outcomes:
- Implemented new IT risk management solution and business process to improve the information security risk assessment process
- Designed a risk ranking methodology and applied it to the IT risk assessment process to facilitate informed decision-making
- Collaborated with UF Procurement Services to identify IT purchases and categorize them based on multiple criteria (e.g., renewal, data classification, and alignment with enterprise strategy)

GOAL #2: INCREASE AWARENESS OF SECURITY-RELATED POLICIES AND STANDARDS

Outcomes:
- Guided the Information Security Advisory Committee through the development of six new information security-related policies for the VP and CIO, and created educational materials to introduce these new policies to the UF community
- Collaborated with information security managers to foster understanding of the IT control framework, and solicited feedback to create a set of control questions for end-users
- Delivered multiple presentations throughout UF, UFHealth, and UFHealth-Jacksonville to raise information security awareness and drive home that accountability for protecting UF information systems and data resides with the unit

GOAL #3: ENHANCE INFORMATION SECURITY ANALYTICS TO BETTER PREVENT, DETECT, RESPOND, AND PREDICT THREATS TO UF’S INFORMATION SYSTEMS AND DATA

Outcomes:
- Conducted hundreds of IT risk assessments and assisted units to effectively mitigate numerous information security risks
- Directed units to deploy information systems into closed and protected zones, and required VPN connections to better shield from outside attacks
- Advised on ResVault security controls and procedures to better support research with restricted data
- Conducted multiple internal and third-party penetration tests of UF systems and applications to discover vulnerabilities before unauthorized individuals did, and helped asset owners mitigate those vulnerabilities
- Recommended improvements to email, specifically addressing email threat detection and response
- Rebuilt the UF data discovery tool and environment and implemented new scanning policies and processes to streamline client access to this service

EDUCATING UF ABOUT THE DANGERS OF CYBERSPACE

UFIT is committed to protecting the university’s computing environment and data from cyber-threats. Education and training programs, social media campaigns, and presentations at faculty, student, and staff events are all part of UFIT’s communications calendar. Often, the most effective activity to protect and defend UF from cyber-threats is by working directly with faculty and staff. UF’s Information Security Office (ISO) makes an effort to do as many in-person office visits per year as possible, allowing for one-on-one conversations about effective password usage and discussing other ways to mitigate risk and loss of personal and university data.

In 2016-2017, the Information Security Office presented on cyber security at the annual New Faculty Orientation, trained nearly 200 campus IT staff on the new risk management process, and provided security updates and news through UFIT News articles, digital signage, and informational posters. In October, the ISO helped more than 300 students secure their personal technology as a part of UFIT’s annual Student Tech Fair. The ISO also developed a new, hands-on Cyber Security @ UF training. This half-day training has already been attended by 125 faculty and staff. Cyber Security @ UF will be available to the university community statewide when it debuts as an online training later this year.

Educating UF About the Dangers of Cyberspace

"No matter how well you think you think you know a subject, good education by quality instructors can always improve your game. That’s what I found when I took the ‘Cyber Security @ UF’ course. The training is very enjoyable. I highly recommend making UFIT Training part of your staff’s busy calendars.”

Matt Herring
Director for Museum Technology
Harn Museum of Art

MALICIOUS EMAILS BLOCKED

5,907,846,215

From the UF Network in 2016!
OneIT for the #GatorGood

The Campus-wide Modernization Program to Advance Student Services (COMPASS) project go-lives are scheduled for implementation based on UF’s academic calendar. Five major go-lives are scheduled during FY 2017-18. For more information about the COMPASS Program, visit https://compass.ufl.edu.

GOAL #1: MODERNIZE LEGACY SYSTEMS
Outcomes:
• Began implementation of COMPASS initiatives around admissions, advising, constituent relationship management (CRM), financial aid, master data management, student records, event management, data governance, and others
• Deployed Prospecting and Recruiting (College of Engineering) and the Coalition undergraduate application to replace UF’s former mainframe application

GOAL #2: IMPROVE USER EXPERIENCE
Outcomes:
• Implemented a new design for the ONE.UF dashboard, complete with advanced search capabilities and support for role-based workspaces
• Introduced Unofficial Transcript and Degree Audit functionalities into ONE.UF

GOAL #3: PROVIDE PERFORMANCE ANALYTICS TO CLIENTS
Outcomes:
• Implemented a new version of enterprise reporting tools with IBM Cognos Analytics, providing the ability for self-service dashboards and visualizations
• Developed a proof of concept for scorecards used by the Office of the Chief Financial Officer to track and communicate exceptions related to asset management, purchasing, and HR to all UF departments
• Created college-wide faculty summary and transaction detail packets, which contain both summary and detailed monthly financial reports that are delivered electronically to several colleges

GOAL #4: COLLABORATE WITH BUSINESS UNITS TO IMPLEMENT BUSINESS PROCESS MANAGEMENT
Outcomes:
• Collaborated with the Office of Research on UFIRST Phase 3, which addressed the post-award business process, adding electronic integration to grants.gov for federal submissions. This allowed UF to retire a legacy system
• Expanded electronic document management and imaging solutions to several departments, streamlining business efficiencies and eliminating paper processes

PROVIDE ROBUST, RELIABLE, AND TRUSTED ADMINISTRATIVE IT SERVICES

“ONE.UF has made it easier for me to register for my classes. It can be extremely stressful when it’s your turn to register and you can’t get in to meet with an advisor. ONE.UF shows me my unmet degree requirements in a way that is easy to understand. It makes life so much easier to be able to register, access my grades, and view transcripts all on one site.”

Brandon Stokes
Senior
Major: History

116,093
Degree audits conducted by students since Sept. 2016 app’s launch in ONE.UF

COMPASS Program Releases Scheduled in 2017-2018

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<thead>
<tr>
<th>Release</th>
<th>Functionality</th>
<th>Go-Live Date</th>
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<tbody>
<tr>
<td>1</td>
<td>Graduate/Professional Supplemental/UF Online Application, Academic Structure, Biographical/Demographic Data, Constituent Relationship Management (CRM) Phase 2 Prospecting and Recruiting Coll. of Engineering Pilot</td>
<td>Aug. 7, 2017</td>
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<td>2</td>
<td>Course Catalog, Institutional Student Information Record (SSIR) Loads, Transfer Credit Evaluation</td>
<td>Nov. 6, 2017</td>
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<tr>
<td>3</td>
<td>Career/Program/Plan Stack (Major/Minor) Residency Processing</td>
<td>Jan. 16, 2018</td>
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<tr>
<td>4</td>
<td>Degree Audit, Registration Prep, Award Aid, Schedule of Classes</td>
<td>Mar. 5, 2018</td>
</tr>
<tr>
<td>5</td>
<td>Registration, Enrollment Verification</td>
<td>Mar. 26, 2018</td>
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Recent national survey results show that 99.7% of UF students bring two or more internet-enabled devices with them to campus each day, with the majority having three devices.¹ The connectivity needs of our students, faculty, staff, and campus guests require UFIT to continually invest in the university’s Wi-Fi environment.

Wi-Fi enhancements and a full replacement of the university’s guest Wi-Fi network completed in FY 2017 provide a more streamlined and efficient log-on process for the UF community. Several enhancements to the network are planned in FY 2018. A revised webpage for first-time access to UF’s wireless network will go live in fall, 2017, featuring the UF template (design standard launched during the previous fiscal year). The new first-time access page will also provide enhanced onboarding support for MacOSX, iOS, and Android devices.

With the trend to an ever-more “bring your own device” environment at the University of Florida, UFIT will continue to invest and expand Wi-Fi resources to meet demand.

¹ Source: Spring 2017 EDUCAUSE – Survey of Students and Technology
PROVIDE LEADERSHIP IN WEB AND MOBILE SERVICES AND TECHNOLOGIES

GOAL #1: PROMOTE A COMMON, HIGH-QUALITY USER EXPERIENCE ACROSS THE UF WEB DOMAIN

Outcomes:
- Encouraged rationalization of web content by deploying and managing a universal web content management system
- Provided training, phone, and in-person support so colleges, departments, and units can manage their own web pages
- Updated online resources and shared expertise to campus web developers so they could create websites that adhere to UF’s brand standards

GOAL #2: ENSURE AN ENVIRONMENT OF ADA/WCAG 2.0 COMPLIANCE AT THE UNIVERSITY OF FLORIDA

Outcomes:
- Updated the Web Accessibility resources page and created training videos for web developers related to making content accessible in the web content management system
- Supported the Electronic Information Technology for Accessibility officer in bringing enterprise-level accessibility checking tools to web and course content to UF
- Continually socialized EIT policy relating to web content via list-servs, meetings with campus clients, and through training opportunities

GOAL #3: DEVELOP STATE-OF-THE-ART MOBILE WEB APPLICATIONS

Outcomes:
- Ensured UF websites are responsive and adaptive for a rich user experience
- Prioritized web applications in relation to their level of use/need for mobilization
- Refined standards and recommend practices for application publishing and development at UF
- Committed professional development resources to ensure UF mobile developers stay current with development trends and best practices

Enabling Compliance: EIT at UF

The University of Florida is committed to maintaining an inclusive and accessible environment for all. An electronic information technology accessibility (EITA) policy was adopted this year. The policy established the minimum standards necessary to meet the university’s goals and ensure compliance with all applicable laws.

EITA accessibility legal actions are invasive, disruptive to business, and often result in close monitoring of the institution’s practices for several years after a resolution is reached. Grant and federal funding is impacted, since federal funds are denied to entities not complying with EITA accessibility laws. Additionally, a lawsuit or audit result may bring negative business consequences.

New services and enhancements to existing services in support of EITA are being deployed. These include expansion of captioning services and tools to assist faculty and staff in creating accessible websites and courses.

“The Web Services group is a huge asset to the Department of Emergency Management. They were instrumental in creating our nationally recognized website (www.emergency.ufl.edu) and continue to maintain the UF Alert system’s automated posting processes to UF’s homepage. We cannot thank the Web Services group enough for their continued support, professionalism, and expertise.”

Hal Grieb
Emergency Management Coordinator
Division of Public Safety

Web Services

395,486
Total Page Views
Alignment with the University’s Goals

In December 2015, President Fuchs presented The Decade Ahead, the report issued by The President’s Task Force on Goals. The Decade Ahead outlines the goals and objectives adopted to guide the university’s decision-making for the next decade.

Some of UFIT’s outcomes that support the goals identified by President Fuchs and the task force include:

<table>
<thead>
<tr>
<th>GOAL</th>
<th>Outcome</th>
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<tbody>
<tr>
<td>1</td>
<td>Established annual high school STEM (science, technology, engineering, and math) program</td>
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<tr>
<td>2</td>
<td>Implemented app development program for students</td>
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<tr>
<td>3</td>
<td>Supported online graduate programs, now ranked #1 nationally</td>
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<tr>
<td>4</td>
<td>Expanded services for electronic information technology (EIT) compliance</td>
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<tr>
<td>5</td>
<td>Enabled $552M of UF’s $724M sponsored research portfolio</td>
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<tr>
<td>6</td>
<td>Positioned UF as a leader in research computing and innovation</td>
</tr>
<tr>
<td>7</td>
<td>Provided a technology platform compliant with an evolving, complex regulatory environment</td>
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- **An exceptional academic environment that reflects the breadth of thought essential for preeminence, achieved by a community of students, faculty, and staff who have diverse experiences and backgrounds.**
- **An outstanding and accessible education that prepares students for work, citizenship, and life.**
- **Faculty recognized as preeminent by their students and peers.**
- **Growth in research and scholarship that enhances fundamental knowledge and improves the lives of the world’s citizens.**
- **A strengthened public engagement of the university’s programs with local, national, and international communities.**
- **Alumni who are successful in their careers and in life and who are proud to be graduates of the University of Florida.**
- **A physical infrastructure and efficient administration and support structure that enable preeminence.**
- **Improved usability and mobility of IT services university-wide.**
- **Collaborated with peer institutions to improve online learning environments.**
- **Presented at conferences on areas of recognized subject matter expertise.**
- **Created IT services and support to improve the student life experience.**
- **Received accolades at the national and international level for technology innovation.**
- **Created mobile services to keep alumni connected as they become advocates for UF.**
- **Modernized UF’s legacy student systems and underlying technology.**
- **Empowered collaboration across campus.**
- **Improved learning environments.**