



### Building Square Footage by Functional Category

| Functional Category | Current Square Footage | Percentage |
|---------------------|------------------------|------------|
| Academic Support    | 55,905                 | 4.4%       |
| Auxiliary           | 319,800.3              | 25.4%      |
| Instruction         | 437,463.9              | 34.7%      |
| Research            | 1,200                  | .1%        |
| Student Services    | 239,745.1              | 19.0%      |
| Support             | 205,420.7              | 16.3%      |
| <b>Grand Total</b>  | <b>1,259,535</b>       |            |

### Building Square Footage by Functional Category and Building

#### Instruction

| Space                                       | Current Square Footage |
|---|------------------------|
| 3D Art Annex                                | 8,420                  |
| Academic Health Science Complex             | 67,131                 |
| Brest Dance Pavilion                        | 5,458                  |
| Brooks Rehab. College of Healthcare Science | 24,833                 |
| 2D Art Annex                                | 7,500                  |
| Council Building                            | 3,969                  |
| Davis College of Business                   | 58,031                 |
| DCOB - Annex: Bldg 1 and 2                  | 1,776                  |
| Founders Building                           | 6,534.4                |
| Gooding Building                            | 38,523                 |
| Marine Science Research Institute           | 33,206                 |
| Merritt Penticoff Science                   | 19,892                 |
| Nelms Science                               | 14,184                 |
| NROTC                                       | 9,464                  |
| Occupational Therapy House                  | 7,175                  |
| Phillips Fine Arts                          | 42,472                 |
| Reid Medical Science Center                 | 20,391                 |
| Sam R Marks Chapel                          | 3,112.5                |
| Swisher Science                             | 15,859                 |
| Swisher Theater                             | 21,704                 |
| Terry Concert Hall                          | 12,829                 |
| Downtown                                    | 15,000                 |
| <b>Grand Total</b>                          | <b>437,463.9</b>       |

## *Adequacy and Appropriateness of Academic Facilities*

Jacksonville University has facilities that are adequate and appropriate for the delivery of each academic program. There are a total of 127 spaces on campus to deliver personalized learning to undergraduate and graduate students. These spaces are regularly scheduled for use in our academic programs—including classrooms, lecture halls, labs, and studios.

The University has specialized laboratory facilities for chemistry, physics, biology, computer science, marine science, flight simulation, trading, nursing, kinesiology, speech language pathology, and occupational therapy. Likewise, it has numerous art studios, a 400-seat theater, and an additional, smaller 350-seat theater. Access to all specialized laboratories for class purposes is scheduled through the University system.

The Academic Technology Department supports learning environments that meet the expectations of 21st-century students while still engaging students in active learning through personal connections with faculty mentors. Technology-enhanced learning is the use of specific technologies to improve the student learning experience and the quality of stated learning outcomes regardless of whether the course delivery method is face-to-face, online, or hybrid.

All classrooms have adequate technology resources, are sufficient to meet the mission of the institution, and are routinely updated to ensure they continue to adapt to growing pedagogical needs. Each classroom on the JU campus has a computer, projector, speakers, and laptop connection. Many have additional technology currently installed, including document cameras, light controllers, Crestron Air Medias, and SMART interactive touch monitors. As part of recent bonds issued, JU upgraded the technology in fourteen classrooms during summer 2019 for approximately \$200,000. So far, the footprint has included 359 classes consisting of 5,039 students.

### Overview of Main Academic Buildings

#### *Classrooms*

##### Academic Health Science Complex

This newly-opened building houses the School of Applied Health Sciences, the School of Orthodontics, and the Keigwin School of Nursing graduate programs. Classes and clinical work started in the building in Spring 2020.

##### Alexander Brest Dance Studio

The Alexander Brest Dance Studio, unsurpassed in the area, is a double-tiered, multi-windowed studio for dance study and related activities.

## Art Research Centers

The newly-expanded 2D and 3D Art Research Centers house spacious drawing, illustration, and printmaking studios, the largest glass shop in the southeast, a comprehensive wood and metal sculpture shop, a well-equipped ceramics studio, and personal reflective studio space for majors.

## Brooks Rehabilitation College of Healthcare Sciences

The Brooks Rehabilitation College of Healthcare Sciences houses undergraduate programming for the Keigwin School of Nursing.

## Davis College of Business Building

The Davis College of Business building is a state-of-the-art facility with classrooms, faculty offices, executive seminar rooms, tiered lecture rooms, computer labs, lounges, the flight simulation center, and a casual dining facility. It is here that many VIP speakers, community mentors, and other guests converge in a variety of events, including town hall meetings, debates, conferences, media avails, and the annual speaker series.

## Founders and University Council Buildings

The Founders and University Council buildings are two of the original campus structures. These buildings feature large inner garden courtyards and contain the dean of the College of Arts and Sciences, classrooms, computer labs, faculty, and administrative offices.

## Jacksonville University Downtown

JU Downtown is comprised of two locations: the 18th floor of the VyStar Tower located at 76 S. Laura Street and WJCT located at 100 Festival Park Avenue. The VyStar Tower is the headquarters for the Nathan M. Bisk Center for Professional Studies. This 15,000 square-foot multi-functional space has sweeping views of the St. Johns River, as well as downtown Jacksonville and contains four state-of-the-art classrooms, conference areas, and offices. WJCT offers modern art film studios, which provide students, professors, and staff with access to filming and editing facilities, as well as all necessary equipment needed to support students in the development of the highest quality productions.

## Marine Science Research Institute

To preserve and protect Jacksonville's most significant natural asset by exploring solutions for the various local aquatic environments, in 2010 Jacksonville University established the Marine Science Research Institute (MSRI) on the banks of the St. Johns River. Since local waters share concerns with similar ecosystems nationwide, the research work

accomplished at the MSRI will have national benefits. Florida Fish and Wildlife Northeast Field Lab, the St. Johns Riverkeeper and an environmental laboratory all share space in the 30,000 square-foot facility and work together toward a common goal of preserving North Florida's waterways through research and education. The Marine Science undergraduate and graduate programs are housed in the MSRI. The MSRI also possesses numerous vessels for use in student research and as floating classrooms.

A Leadership in Energy and Environmental Design (LEED)<sup>®</sup> Gold-certified building, the MSRI is energy efficient, complete with solar hot water system and a rainwater harvest system for non-potable usage. The MSRI achieved their certification for lighting, water, and material use, as well as incorporating a variety of other sustainable strategies. By using less energy and water, LEED-certified buildings save money for families, businesses, and taxpayers; reduce greenhouse gas emissions; and contribute to a healthier environment for residents, workers, and the larger community.

OCEARCH at Jacksonville University has its academic home in the JU campus in the Marine Science Research Institute, and the M/V OCEARCH vessel is home-ported in Jacksonville, Florida when it is not on expedition. Chris Fischer, the world-renowned founder and CEO of OCEARCH, is Jacksonville University's Explorer in Residence, helping to lead our programs and provides unequalled opportunities for our students to gain real-world, hands-on learning in ocean research.

#### Merritt C. Penticoff Science Building

The Merritt Penticoff Building houses the Division of Science and Mathematics and serves as the classroom and laboratory facility for the Computing Science, Mathematics, and Physics majors.

#### Nelms and Swisher Science Buildings

Chemistry, Biology, and Engineering share space in the Nelms and Swisher complex. These facilities have a working wet lab with an aeration system, aquaria to maintain marine and freshwater organisms, an aquaculture compound dedicated to freshwater fish aquaculture, and a variety of spectrophotometers, centrifuges, incubators, and microscopes for the use of students and faculty in laboratory and research settings.

The newly-renovated Anatomy & Physiology laboratories allow students to engage in hands-on exploration using anatomical models, simulation software, including Vernier physiological tools and specimens. New additions include newly-designed air control systems and storage solutions. Utilizing these spaces, students have the opportunity to explore the body from the cellular level to the whole organism, all the while gaining an appreciation for how the systems work together.

## Phillips Fine Arts Building and Alexander Brest Gallery

The Phillips Fine Arts building includes a newly-renovated tri-room exhibition space, rehearsal and practice rooms, studios, classrooms, and faculty and administrative offices. The gallery is free and open to the public Monday through Friday, 9:00 a.m. to 4:30 p.m. when school is in session. The gallery regularly hosts 2-dimensional and 3-dimensional exhibits by distinguished regional and national artists, as well as works by JU faculty and students.

## Reading Center

The Jacksonville University Reading Center is a unique, on-campus experience that engages JU education students with children and parents from surrounding Arlington communities. The JU Reading Center (located in the Founders Building) offers a tutoring program that is designed to provide JU students the opportunity to take their learning from coursework to craft. JU Students apply literacy concepts and skills learned through education courses to a real-life teaching environment with elementary students. JU students provide one-on-one or small group tutoring to children in elementary school (grades K-5) and receive prompt feedback about their instruction from JU faculty. The tutoring experience is designed to provide JU students with opportunities to assess, observe, analyze, and plan tailored literacy instruction for children with differing needs

## Reid Medical Science Center

The Reid Medical Science Center houses classrooms, laboratories, and a 92-seat auditorium that serve biology, marine science, nursing, and pre-health programs in medicine, dentistry, veterinary science, and pharmacy. Science activities are centered in the complex of Nelms, Swisher, Penticoff, and Reid buildings.

## Swisher Theatre

Built in 1955, the 22,000 square-foot theater is named after Carl Swisher, its principal benefactor. It underwent a comprehensive renovation in 2006 made possible by the generosity of Swisher International. Delivered by the Haskell Corporation, the renovations included extended stage, orchestra pit, lobby, faculty offices, costume shop, scene shop, design studio, and control booth. Swisher Theatre seats nearly 400 guests for dramatic and musical productions presented by the College of Fine Arts, theatre arts majors, and other students.

## Terry Concert Hall

Opened in 1991, Terry Concert Hall is an architectural-award-winning, 400-seat concert hall and has welcomed a variety of world-renowned guests and performers over the years,

as well as student performers. The Hall recently underwent a \$1.5 million major renovation, including a major art installation and unmatched acoustics in the area for voice performance and small or large instrumental groups.

### Tillie K. Fowler NROTC Building

In 2004 the NROTC building was named in Tillie K. Fowler's honor to recognize leadership, effectiveness, and dedication to national security and work dedicated on behalf of Jacksonville University. The building contains the offices of the commanding officer, staff, conference room, student classroom, and wardroom.

### *Specialized Laboratory Spaces*

Besides standard academic laboratory spaces, JU offers the following unique spaces for academic programs:

#### Advanced Level 5 Bombardier Canadair Regional Jet (CRJ) 700 Flight Training Device (FTD)

The FAA Level 5 CRJ-700 FTD is used for advanced systems, crew resource management, and jet transition courses. It is comprised of a full mock-up flight deck and 120-degree wrap-around screen. It includes an instructor station where changes to weather, time-of-day, and system malfunctions can be manipulated during training sessions. The School of Aviation is also using the simulator for several research projects and grant proposals. The simulator can also be contracted out for airline and professional aviation use for interview preparation, airline interviews, refresher courses, or recurrent training. The program also uses the simulator for local fear-of-flying courses, professional team-building exercises, and aviation introduction sessions.

#### Aerosim-Mechtronix Advanced Aircraft Training Device (AATD)

The AATD is a level-3 stationary flight training device equipped with the necessary flight controls to simulate flight around the three axes of an airplane. It features engine instruments and controls necessary for operating a Technically Advanced, single engine Airplane (TAA). The avionics are identical and the cockpit configuration is similar to the Cirrus SR-20. All of the required equipment for VFR and IFR flight as per 14 CFR 91.205 (b) and (d) is provided or simulated.

### Center for Health & Human Performance

The Center supports the investigation of methodological examinations studying outcomes related to: preventative health, nutrition, vitamin and supplements, and exercise performance.

## Clinical Skills Lab

The Jacksonville University, Keigwin School of Nursing, Brooks Rehabilitation College of Healthcare Sciences Skills Laboratory provides a student-centered, positive learning environment. A simulated clinical environment, the Skills Lab collaborates with multiple healthcare science disciplines including undergraduate nursing, graduate nursing, speech therapy, and occupational therapy to optimize student outcomes by utilizing innovative approaches to experiential learning. The goal of the Skills Lab is to assist students in advancing their clinical skills and reaching their highest potential while enjoying the process of learning.

The Skills Lab provides patient care by allowing students to utilize:

- 19 bed units
- 7 exam tables
- Pelvic models for Indwelling Foley Catheterization
- IV Arm with blood return
- Wound Care
- Central Dressing changes
- Tracheostomy Care
- Nasogastric tube (NG tube) feeding
- Medication Carts for Adult Pharmacology
- Blood Pressure/Vital Sign

## Dolphin Student Investment Fund Trading Room

The Dolphin Student Investment Fund (DSIF) was established in 1987 with an endowment fund from the Davis family and JU. The fund is designed to provide Jacksonville University students, particularly those in the Davis College of Business, with valuable experience in investment portfolio management, a skill sought after by employers. Students actively manage the fund under the supervision of the Advisory Board, which consists of JU faculty members, investment and finance professionals, and alumni.

## Exercise Physiology Laboratory

The EPL was established to develop an interdisciplinary teaching and research lab that provides students with the opportunity to learn how to operate state-of-the-art equipment that pertains to exercise physiology. This will provide students with the best possible educational experience and therefore prepare students to be highly-competitive candidates when applying for future employment or further schooling. These facilities can be used for student-led projects, giving students additional valuable experiences. Also, the laboratory will pursue externally-funded research projects to provide resources to further develop the laboratory. It possesses:

- Parvo Metabolic Cart
- High-speed treadmill (up to 15 mph)
- Squat rack, barbell and over 500 lbs of free weight
- Trained phlebotomists
- Centrifuge
- Micro centrifuge
- Hemoglobin Analyzer
- Nutritionist Pro Software for dietary analyses

### Occupational Therapy Lab

The Occupational Therapy Lab, located in a former President's house, is leased by the University and allows for real-life training in a home environment for all students.

### Running Biomechanics Laboratory

The Jacksonville University Running Laboratory was established on the JU campus in 2015. In 2017, a second "field" laboratory was established at 1st Place Sports, one of the nation's top running stores. This laboratory is used for teaching both undergraduate and graduate students and for research data collection, mainly of Jacksonville University athletes. The campus laboratory uses treadmill running at a "training pace" and "half-marathon pace" with six (6) Vicon cameras mounted posterior.

### Simulation Training and Applied Research Center

The Simulation Training and Applied Research (STAR) Center provides an invaluable experiential and kinesthetic learning experience for Jacksonville University Keigwin School of Nursing students. The STAR Center enhances critical thinking and psychomotor skills that are fundamental to health sciences education and patient care in a simulated environment. The experience creates a positive, safe learning environment that builds students' confidence, communication techniques, assessment skills, critical thinking abilities, and advances their clinical skills proficiency with varying levels of patient acuity. Academic clinical partnership and collaboration increases preparedness of the student to practitioner role in the delivery of evidenced-based care, based upon Institute of Medicine (IOM) recommendations, and the Quality Safety and Education for Nurses (QSEN) initiative.

### Speech Language Pathology Laboratory

The Speech Language Pathology Laboratory consists of the most up-to-date technology to allow students to experience real-life scenarios prior to entering clinical placements. It offers simulation training, the ability for students to practice endoscopies, review of modified barium swallowing, and practice of diagnostic testing.