A photograph of a university campus scene. In the foreground, a brick-paved walkway leads towards a large, multi-tiered fountain. Several students are walking across the path. In the background, there is a large, red brick building with arched windows and a balcony. The scene is surrounded by lush green trees under a clear blue sky.

EAST CAROLINA UNIVERSITY RECREATION AND WELLNESS MASTER PLAN FINAL REPORT

DECEMBER 2020

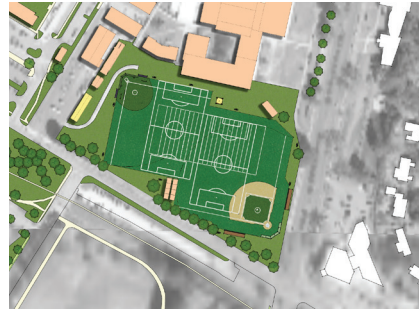
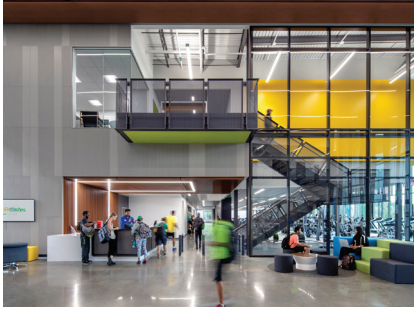


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INTRODUCTION



RECREATION & WELLNESS FACILITIES

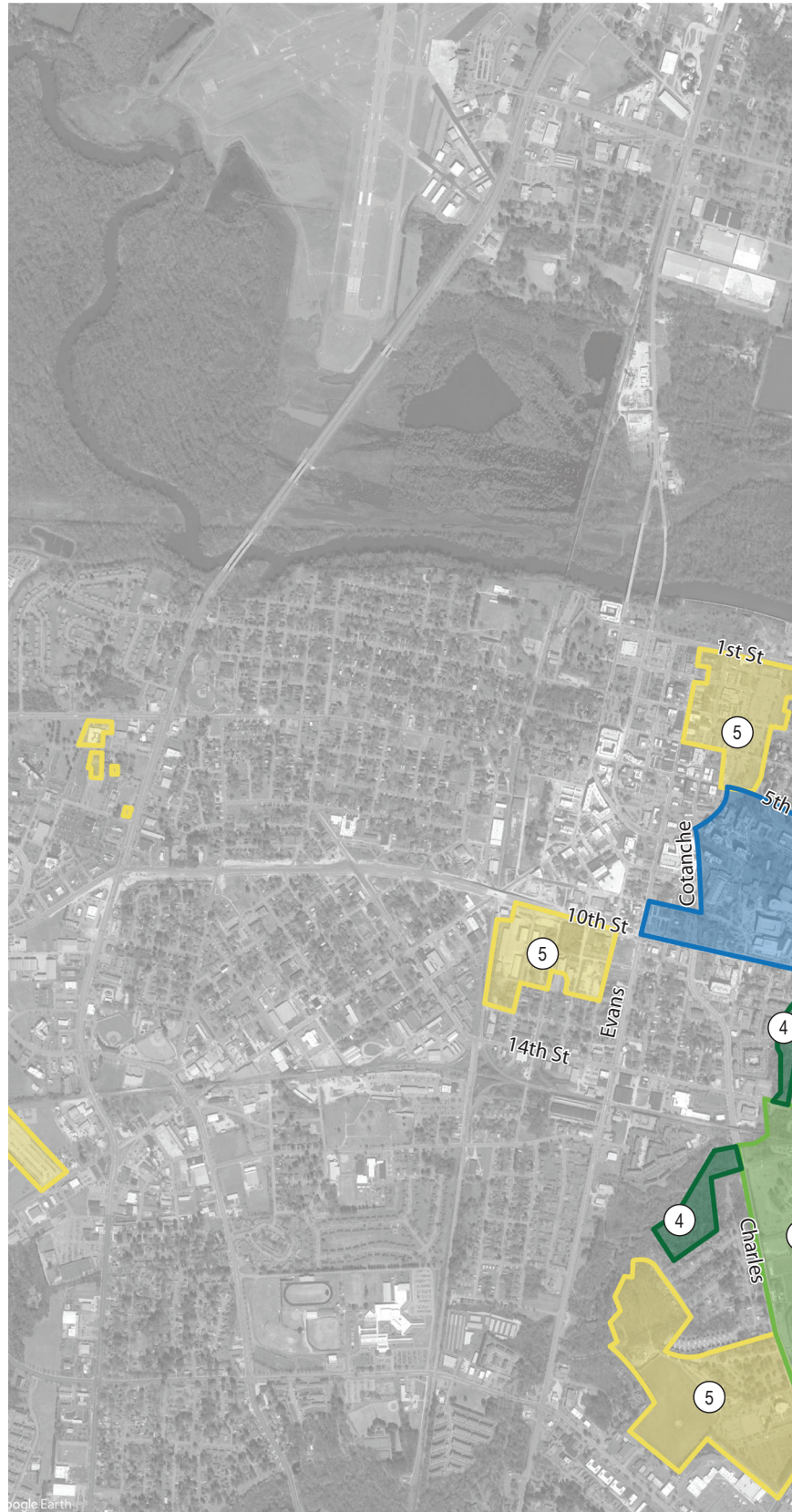
INTRODUCTION

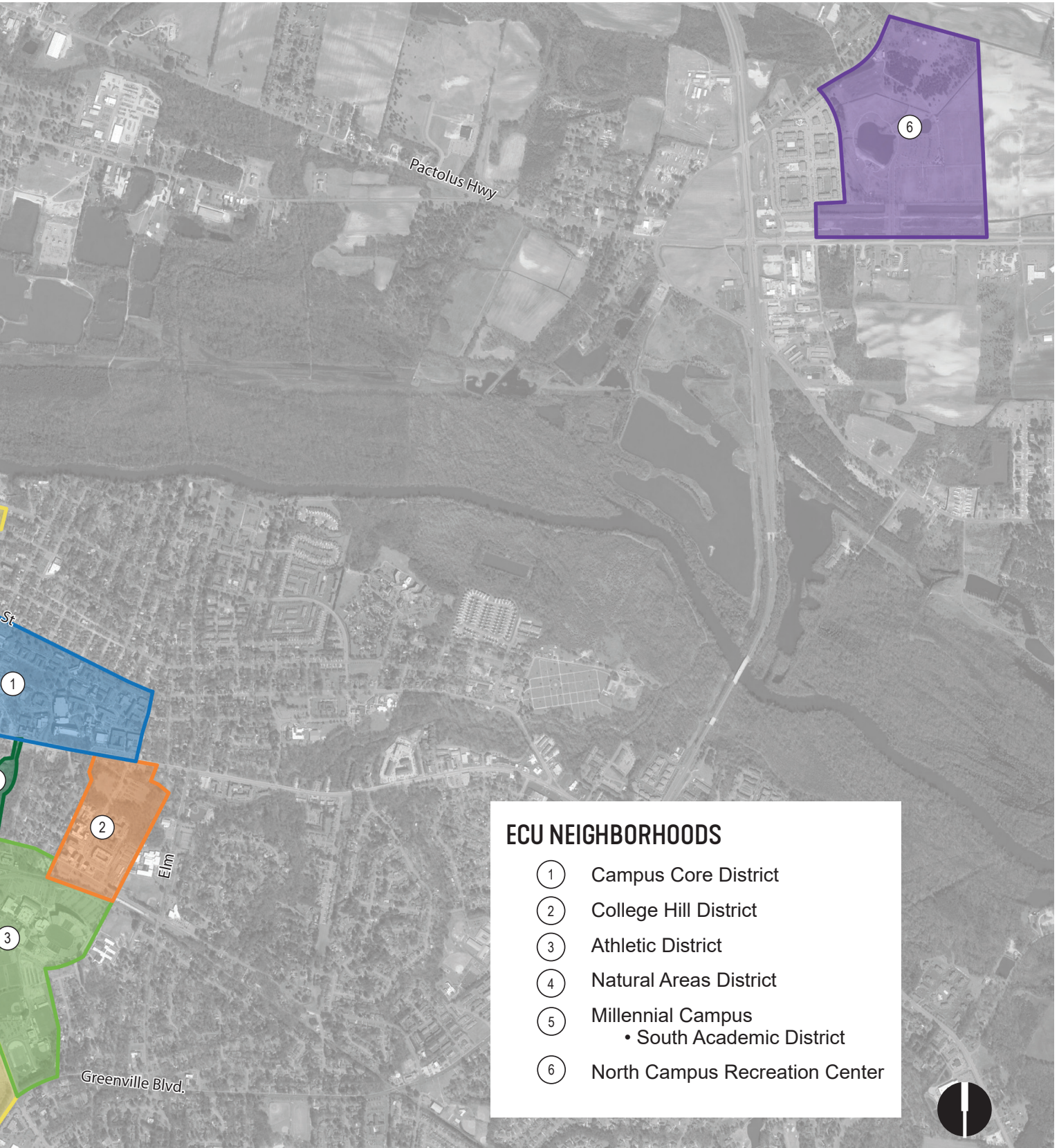
MISSION AND VISION FOR MASTER PLAN STUDY

The overall ECU Campus Master Plan Update, completed by SmithGroup in 2019-2020, provides a strategic plan for future growth of the campus that builds upon the current mission of the University. As stated in the master plan, three general planning objectives identified for future campus growth are:

- enhance the overall connectivity and pedestrian experience across campus
- strengthen community and partnerships
- renovate existing buildings to better serve the overall space needs of the University.

Health and Wellness is critical to the academic success and overall wellbeing of students at ECU. Many studies show that healthy students have the capacity to be more engaged within the campus community, perform better in the classroom and be better equipped to cope with the stresses and challenges of being a college student. Quality health and wellness facilities are also a key factor in the recruitment and retention of students. The ability of the University to engage students with programming, activities, services and spaces that support holistic wellness as part of an integrated campus wellness ecosystem is critical to the overall student experience. As such, a key objective of this recreation and wellness facilities master plan is centered on identifying strategic opportunities across all campus districts to support existing demand, and create new opportunities for future health and wellness initiatives as part of an interconnected ecosystem.





ECU NEIGHBORHOODS

- ① Campus Core District
- ② College Hill District
- ③ Athletic District
- ④ Natural Areas District
- ⑤ Millennial Campus
 - South Academic District
- ⑥ North Campus Recreation Center

The Master Plan process launched in November 2019 specifically focused on evaluation of existing facilities serving Recreation & Wellness, Counseling, Student Health and Dean of Students as part of the core of the ECU wellness ecosystem. The ECU Master Plan for Recreation & Wellness, Student Health Services, Counseling and Dean of Students further identifies priority space needs required to meet future anticipated program needs through renovation and expansion. It is specifically centered around ECU's mission to "transform health care, promote wellness and reduce health disparities" across campus.

ACKNOWLEDGEMENTS

SmithGroup would like to thank East Carolina University students, staff and administration for their participation and contributions to this collaborative process. We would also like to extend a special thank you to the Steering Committee members listed below for their leadership, guidance and commitment to this initiative.

STEERING COMMITTEE

- Dr. Virginia Hardy, Vice Chancellor of Student Affairs
- Dr. Erik Kneubuehl, Associate Vice Chancellor of Student Involvement and Leadership
- Dr. Lynn Roeder, Associate Vice Chancellor and Dean of Students
- Dr. Lanika Wright, Director, Student Health Services
- Dr. Kissler-Van Reede, Director, Counseling and Student Development
- Williiie Ehling, Director, Campus Recreation & Wellness

- Dana Lopez, Associate Director, CRW Facilities / Operations
- Steven Trotter, Associate Director of Wellness & Fitness
- JJ McLamb, Executive Associate Athletics Director / Internal Operations
- Bill Bagnell, Associate Vice Chancellor for Campus Operations
- John Gill, Assistant Director, Facilities Grounds Services

ASSOCIATED DEPARTMENTS & CAMPUS GROUPS

Focus Groups

- Facility Engineering and Architectural Services
- Campus Recreation & Wellness Staff
- Center for Counseling & Student Development
- Student Health Center
- Dean of Students
- ECU Wellness Committee
- College of Health & Human Performance (HHP)
- CRW Intramural and Club Sports
- ROTC (Army / Air Force)
- CRW Student Leadership Counsel
- ECU Student Government

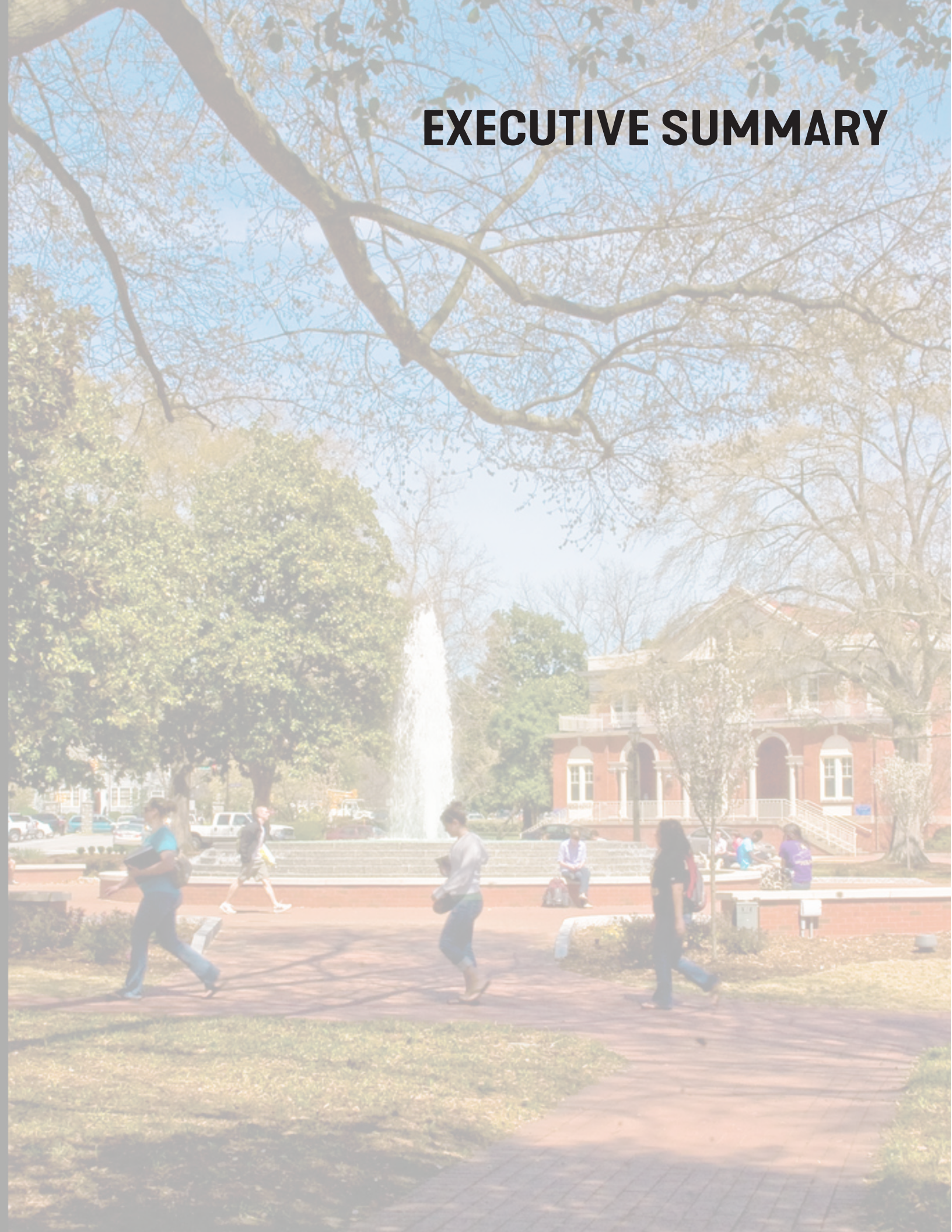
Community Partners

- Greenville Sports Commission
- Greenville Parks & Recreation
- Pitt County – Greenville School District
- Greenville Swim Clubs

Consultant Team

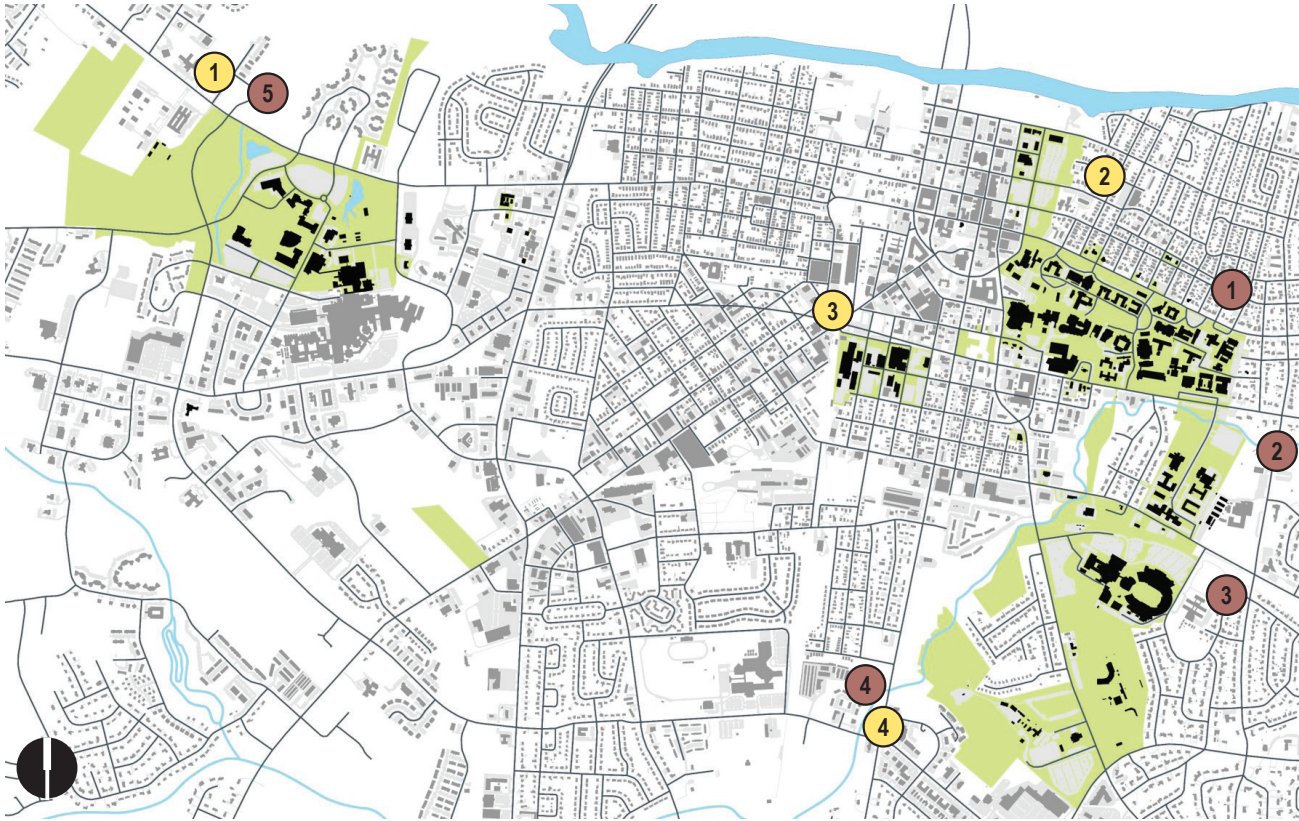
- SmithGroup
- Aquatic Design Group

EXECUTIVE SUMMARY



RECREATION & WELLNESS MASTER PLAN

EXECUTIVE SUMMARY



CAMPUS DISTRICTS

- 1 Campus Core District
- 2 College Hill District
- 3 Athletic District
- 4 South Academic District
- 5 Health Sciences District

MILLENNIAL RESEARCH DISTRICTS

- 1 Health Sciences Campus
- 2 Uptown District
- 3 Warehouse District
- 4 South Academic District

PURPOSE AND INTENT

East Carolina University has been a part of the Greenville, NC community since 1907 and is the fourth largest University in North Carolina. ECU has grown over the years from its original core campus of about 43 acres to a campus that now encompasses multiple districts, neighborhoods, and properties totaling approximately 1,600 acres. Some of the newest districts serving students include the Health Sciences Campus, West Research Campus and Millennial Research Districts. All of these campuses serve a growing diversity of students that includes over 400 clubs and on-campus student organizations as part of a singular connected campus community. This master plan establishes a 10-year framework vision for future development projects to serve both immediate facility needs supporting Recreation, & Wellness, Student Health, Counseling and Dean of Students while also addressing future expansion opportunities for these same programs. The purpose of this master planning study is to provide a roadmap of development opportunities with the expressed goal of connecting the various campus districts and leveraging existing property assets.

The initial priorities outlined in the master plan address identified space needs across facilities currently serving Recreation & Wellness,



STUDENT RECREATION CENTER, GYM



STUDENT RECREATION CENTER, POOL

Student Health, Counseling and Dean of Students. The priorities were expanded upon further discussion with students and stakeholder groups to address more long term goals for expanding wellness programs and future opportunities. These expansion opportunities also considered the desire to broaden user demographics to include potential use by community members and groups. This structure gives the University a clear idea of how projects interrelate and allows the administration to make informed decisions about timing and funding for future development projects.

PROCESS

The process to create the master plan and the development options included within this report was inclusive and involved gathering viewpoints from across campus communities, resulting in a consensus approach to meet the immediate, mid-term, and long-term needs of the University. The master plan process involved three primary phases: Research & Analysis, Planning, and Documentation. During the analysis phase, physical data was gathered on the campus and focus groups were convened to gather a deeper understanding of how the campus functions, how existing facilities are utilized, and what the user goals would be for next generation

expansion opportunities. While many options were explored for potential expansion projects for both indoor and outdoor facilities, this report summarizes the options most preferred by the Committee and University to address priorities and best support future expansion goals. This master plan is not intended to be prescriptive, but rather reinforce the structure and organization of the existing campus in support of the overall campus master plan and University strategic plan.



STUDENT HEALTH CENTER

EXISTING CONDITIONS

The Recreation & Wellness Facilities Master Plan assessed indoor and outdoor facilities currently serving ECU Campus Community across multiple campus districts, including the Main Campus and Campus Core District, Health Sciences Campus, College Hill Neighborhood, and the Athletics District. Along with these designated campus neighborhoods, the master plan also explored facilities at the North Recreational Sports Complex and Blount Outdoor Field Complex.

As noted in the overall master plan, the Main Campus or “Campus Core District” represents the oldest portion of the East Carolina

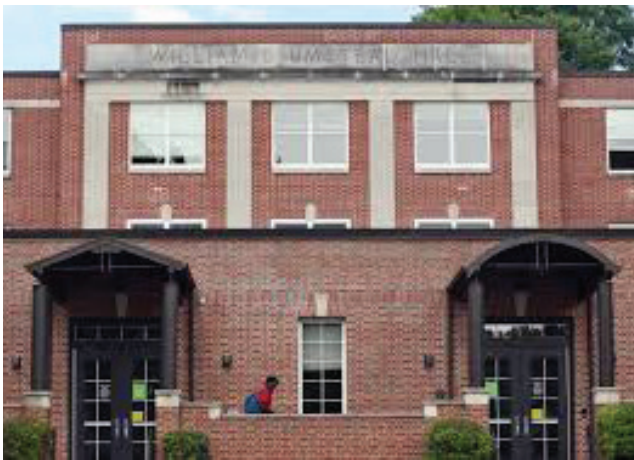
University campus, with academic buildings and infrastructure dating back to the early 1900’s. The main campus has grown from its original orientation along Fifth Street to encompass many new campus buildings and student-life opportunities now accessible from Tenth Street and Cotanche Street as part of an expanded Campus Core. This more recent expansion over the past two decades includes the construction of the Eakin Student Recreation Center (ESRC) in 1997 along Tenth & Cotanche and construction of a new Student Center and public parking deck in 2019 along Tenth Street. With the anticipated opening of the planned new Life Sciences and Biotechnology Building sometime in 2021 (10th and Cotanche), this area of campus is expected to serve as a new “front-door” and public face to the ECU Main Campus. As such, the current location of the ESRC will continue to play an important role in serving students, enhancing pedestrian experiences, and improving the overall connectivity across ECU’s main campus.



CHRISTENBURY GYM

Additional campus facilities explored through the master plan and located within the Main Campus included Umstead Hall (Counseling / Dean of Students), Student Health Center, and Christenbury Memorial Gymnasium. All three buildings are located within the original Campus Core District and are heavily used by students

for a variety of wellness services and programs. All three facilities are expected to continue their role as strategic partners to Recreation and Wellness in the future, working to create a more integrated campus wellness ecosystem that includes programs supporting holistic health and wellbeing, academics, and a variety of student-life activities.



WILLIAM UMSTEAD HALL

The lower level of Umstead Hall currently serves as the home for Counseling and Dean of Students. Christenbury Memorial Gym is jointly used by Health and Human Performance (HHP) and the ROTC Army. This facility also includes a multipurpose gym that is available to ECU Recreation on a limited basis. Both Umstead Hall and Christenbury Gym are aging facilities that require significant financial investments to continue serving Counseling, Dean of Students, HHP, ROTC, and any future programs.

The Recreation and Wellness Center on the Health Sciences Campus District is located to the west of the Main Campus as part of a larger Health Sciences Student Center situated along Emergency Drive. Opened in 2017, this facility represents the most recent addition of recreation space on the ECU Campus with the specific goal of supporting the 2,000+ students that attend classes within this District. As noted in the overall Campus Master Plan, the Recreation

& Wellness Center and immediate site area around the Student Center on the Health Sciences campus has very limited opportunities for expansion. The larger vision is to reshape that area of campus to support future academic buildings as part of a new Millennial Campus. Minges Natatorium is part of a larger complex of buildings encompassing Minges Coliseum in the Athletics District. The Minges Natatorium facility is currently operated by ECU Recreation and shared with ECU Athletics as the only competitive aquatics facility on the ECU Campus. The Minges facility has had minor renovations over the years to improve the spectator experience for athletics events, however this facility has limited water options for recreation programming beyond its current use for competitive swimming / diving events and practice. Minges Natatorium is an aging facility that will require significant financial investment to renovate and expand this facility to adequately support potential future use as a regional aquatic facility.

Outdoor Recreation Fields and programs are currently spread across two sites, including the North Recreation Complex (NRC) and the Blount Recreational Sports Complex. The North



NORTH RECREATION COMPLEX

Recreation Complex is located on Highway 264 East, approximately 6 miles northeast of the main campus. The NRC is the primary destination for outdoor recreation activities and team sports including soccer, flag football, lacrosse, rugby, ultimate frisbee, and disc golf, along with several paved trails for walking and jogging. The North Complex also includes 8 multipurpose grass sports fields along with a field house, restrooms, sand volleyball beach, and small lake for fishing. The Odyssey High Challenge Course was recently moved to the NRC from the Blount property. The NRC currently serves as the home for many sport club teams and is also used throughout the year by the Greenville Sports Commission and various community organizations for soccer tournaments and youth sports camps.



BLOUNT FIELD HOUSE

The Blount Recreational Sports Complex is located on the south side of campus accessible from Charles Boulevard and just west of the Belk building. This smaller outdoor recreation facility is just a couple miles from the main campus and a short walk from the ECU Athletic Complex. The Blount Complex currently serves as the home of intramural sports and is used for open play. The facility includes several grass multipurpose fields serving soccer, flag football,

softball, lacrosse, rugby and field hockey. The complex also includes a small on-site field house with restrooms and storage facilities. Student parking is limited because nearby lots are permitted only for staff and athletic events.

CAMPUS ENGAGEMENT / FOCUS MEETINGS

In preparing this Master Plan study, the SmithGroup design team met with students, professional staff, administration and community representatives on the ECU Campus in Greenville to understand their needs, assess the current usage of existing facilities, and explore opportunities for future improvements and development. The campus engagement process included three (3) visits to the ECU Campus between November 2019 and February 2020 as part the planning and exploration process. Through this process the team conducted multiple focus group meetings with staff and student groups representing the various venues listed above along with programs served by these buildings to help the planning team understand current operations, confirm space deficiencies, and identify gaps in programs, space allocations and facilities supporting current demand as well as future growth opportunities. The master plan team also engaged a variety of campus community members and stakeholder partners to discuss the potential opportunities, challenges and preferences for future shared use of outdoor fields and the potential for a regional aquatic facility. Specific community partners engaged in this process include representatives from ECU Athletics, Greenville Parks and Recreation, Greenville Sports Commission, Pitt County Schools and local swim clubs among others. SmithGroup's engagement process was supplemented by a number of other activities to further identify facility space needs and prioritize commendations included within this master plan report. Additional engagement activities included the following:



ECU CAMPUS FOCUS MEETING

- Tours of existing facilities currently serving student health, counseling, dean of students, recreation and wellness programs to confirm usage and site-specific opportunities and constraints.
- Meetings with Steering Committee and administration to further validate the qualitative feedback received from focus groups including preferences and perceptions regarding current facilities.
- On-site live survey of a random sampling of students utilizing existing recreation and wellness facilities conducted on the Main Campus and Health Sciences Campus to understand students perception regarding existing facilities and preferences for wellbeing opportunities.
- Review of ECU's population demographics over the past 10-years based on Common Data Set and enrollment information.
- Peer Benchmarking of selected institutions and analysis against NIRSA Space Standards for Campus Recreation Sports Facilities for quantitative comparison against existing facilities and national trends.
- Development and evaluation of preliminary space programs to test and receive user feedback on potential future expansion and development opportunities.
- As the master plan moved forward, consideration was also given to ACSM's Health/Fitness Facility Standards and Guidelines, 5th Edition.

STUDENT ENROLLMENT AND DEMOGRAPHICS

According to information reported by East Carolina University to the Common Data Set, the total Full Time Equivalent (FTE) enrollment of East Carolina University for the Fall 2019 semester was approximately 21,752 students. Total enrollment in Fall 2019, including part-time and distance learning students measured 28,651 students. This included an undergraduate enrollment of 23,081 (80%) students and a graduate student enrollment count of 5,570 (20%) students.

Over the ten-year period from 2010-2019, ECU has experienced an enrollment growth of approximately 3.34%. According to the University a significant number of students,

approximately 6,800 (30%) were enrolled part-time and in online courses, which is expected to remain high over the next several years. Approximately 90% of students who attend ECU are from the state of North Carolina with the remaining 10% claiming out-of-state residency, representing 47 different states and 73 different countries in 2019.

NIRSA BENCHMARKING

SmithGroup conducted an assessment of existing indoor and outdoor recreation spaces based on NIRSA benchmark standards for similar-sized University enrollments. The objective of the analysis was to understand how ECU Recreation facilities for key program areas match up with national facility averages. The NIRSA analysis confirmed spaced deficiencies for selected indoor recreation spaces currently serving students. Based on the current enrollment figures for 2019 there is an identified need for approximately 78,000 assignable square feet of total indoor recreation spaces

on campus. The most significant deficiencies were highlighted by a demonstrated need for additional dedicated basketball courts, fitness equipment space (cardio, weights, strength training), group exercise studio space, indoor cycling studio space and multiuse fitness space.

While the NIRSA standards provide good national benchmarking guidance for many traditional recreation spaces, student demand and participation in several other program areas including Functional Fitness, Personal Training, Sport Club Training, and Wellness programming continues to grow, putting pressure on existing space. These more specialized fitness areas are not currently tracked by NIRSA. As such, the study utilized peer research data and user-demand information to further assess the needs for these specialized recreation spaces.

PEER INSTITUTION COMPARISON

SmithGroup conducted an analysis of peer institutions as identified by East Carolina University. The objective of the analysis was

NIRSA SPACE STANDARDS for CAMPUS RECREATION SPORT FACILITIES						
Facility Type Classification	Institution Category	Current FTE	Total Enrollment	ECU	Ratio	Calculated Need
	Very Large	Fall 2019	Fall 2019	Existing Facilities	Existing Facilities	Difference
Enrollment	Over 20,000	21,752	28,651		(per 1000 students)	Current vs Existing
1 INDOOR RECREATION FACILITIES						
Total Indoor Recreation Space (sf per 1,000 students)	8,960	197,900	256,713	147,696	6,687	109,017
Basketball Courts (# per 1,000)	0.30	7	9	7	0.32	2
Locker Room Space - Men (sf per 1,000)	157	3,468	4,498	2,501	113	1,997
Locker Room Space - Women (sf per 1,000)	137	3,026	3,925	2,771	125	1,154
Racquetball / Handball Courts (# per 1,000)	0.27	6	8	4	0.18	4
Squash Courts (# per 1,000)	0.05	1	1	0		1
Table Tennis Tables (# per 1,000)	0.15	3	4	0		4
Swimming Pools (# lap lanes per 1,000 students)	0.54	12	15	12	0.54	3
2 INDOOR FITNESS FACILITIES						
Total Fitness Equipment Space (sf per 1,000 students)	1,008	22,264	28,880	22,665	1,026	6,215
Cardio Equipment Space (sf per 1,000)	364	8,040	10,429	4,023	182	6,406
Strength Equipment Space (sf per 1,000)	280	6,184	8,022	8,033	364	(10)
Free Weight Equipment Space (sf per 1,000)	280	6,184	8,022	8,033	364	(10)
Group Exercise Space (sf per 1,000)	332	7,333	9,512	8,908	403	604
Group Indoor Cycling Space (sf per 1,000)	46	1,016	1,318	800	36	518
Multiuse Space (sf per 1,000)	271	5,986	7,784	834	38	6,930
Stretching & Core Exercise Space (sf per 1,000)	42	928	1,203	2,577	117	(1,374)

Notes:

- 1 Space criteria listed above is based on current edition of NIRSA Space Planning Guidelines for Campus Recreational Sports Facilities and data collected from 2006 College Recreational Sports Facility Inventory.
- 2 Institution Category classification and ratios per 1,000 students are based on Current NIRSA benchmarking guidelines for very large universities with enrollment over 20,000 students.
- 3 Calculated Need is a guideline based on national averages only and does not take into consideration Peer Institution Benchmarking or localized user demand specific to each university.
- 4 Calculated Need numbers have been rounded to the nearest whole number. Space allocation represent Net Assignable Square Feet (ASF) for each program space listed.

SEE APPENDIX PG. 66-67

to understand program offerings and ratios for Counseling, Student Health, and Recreation facility allocations at respective Universities, and how ECU compares to them. Institutions were selected based on their regional location, size, program aspirations and reputation as exemplary facilities. The primary goal was to gain a better understanding of the quantity, quality and mix of spaces at each peer institution. This quantitative research exercise was based on documentation, online research, and by contacting administrators from the selected schools to confirm data and obtain information specific to each peer institution.

SmithGroup and East Carolina University selected the following Universities specifically for this Master Plan Study analysis:

Counseling and Student Health Centers

- North Carolina State University
- Duke University
- University of South Carolina

Well-Being / Wellness Centers

- Arthur Ashe Student Health & Wellness Center (UCLA)
- Duke University
- Georgia Tech University
- North Carolina State University
- Oklahoma State University
- Virginia Tech University

Recreation Facilities

- Auburn University
- James Madison University
- Louisiana State University
- NC-State University
- Texas A&M University
- Towson University
- University of Colorado-Denver

Aquatic Facilities

- Georgia Tech University Aquatics Center
- Greensboro Aquatics Center
- Miami University of Ohio Aquatics Center
- Mizzou Aquatics Center

- University of Iowa Aquatics
- While SmithGroup is confident that the information gathered through this peer review process is accurate, based on data and drawings available to the team at the time of this Master Plan Study, none of the information was validated through on-site physical inspection of the listed facilities.

PEER FINDINGS – COUNSELING & STUDENT HEALTH

Benchmarking of peer institutions highlighted a number of deficiencies for both counseling and student health. For counseling, staffing per 10,000 students was similar to both UNC Charlotte and the University of South Carolina, but was significantly lower than NC State and Duke. In addition, the facilities occupied by the Center for Counseling and Student Development (CCSD) at ECU is significantly smaller than any of the other peer institutions, highlighting CCSD’s struggle to serve students in the given space constraints of the existing facility. Similarly, Student Health Services (SHS) operates at a deficit of both physical space and staff when compared to the benchmarked institutions. As the smallest provider in both staff per 10,000 students and physical space, SHS continues to provide exceptional service to ECU students while lacking space for current services and the staff to fully serve student needs. Please reference Appendix for benchmarking data.

PEER FINDINGS – WELLBEING / WELLNESS CENTERS

Wellness services vary widely from campus to campus as each student population requires unique services and care. In the case of ECU, wellness services is a growing area of the student services portfolio with an opportunity to focus on physical as well as mental health and wellbeing. Currently located on the second floor within the existing Eakin Student Recreation Center, students desire a greater presence from

ECU Wellness both in location and services. As a burgeoning program, the wellness services at ECU have a unique ability to adapt to student needs and fill gaps currently identified in the wellbeing framework.

PEER FINDINGS – RECREATION FACILITIES

The peer institution analysis for recreational facilities confirms the deficiencies and priority space needs further outlined in this Master Plan and Program respective to the Eakin Student Recreation Center (ESRC) and indoor recreation spaces. In general, total indoor recreation space, including specifically Fitness Equipment space accommodating cardio, weights and strength training is below the national average for benchmark facilities based on the ratio of space being provided at ECU per 1,000 students. The need for additional Functional Fitness program space is also demonstrated as being significantly lower than allocations provided to students at many of the other peer institutions, including smaller Universities.

While the amount of basketball courts (basketball, volleyball, etc.), group exercise studio space and multiuse classroom space appears to be generally in line with peers and other Universities, the demand for additional indoor courts serving basketball/volleyball along with a dedicated multi-activity court (MAC) for more flexible programming and sport activities remains a deficiency and is a priority need at ECU. The need for additional multiuse fitness and classroom areas serving specialty program use for personal training, club sports, athletics performance, dance and student organizations was also reflected as a need when comparing ECU’s current indoor recreation facilities to other peer schools.

While some of the demand for indoor recreation space has been satisfied with the 2017 construction of a satellite recreation center on the Health Sciences Campus, overcrowding remains a problem for the core recreation and fitness spaces at the Main Campus Eakin Student Recreation Center, and other districts serving the undergraduate student population.

Institution	Enrollment	Total Indoor Recreation Space (SF)	Fitness Equipment Space (SF)	Basketball / Volleyball	Indoor Courts Multi Activity (MAC)	Racquetball Courts	Group Exercise / Fitness Space	Functional Fitness Space	Indoor Track	Indoor Pool
ECU Indoor Recreation (Existing Program)	28,651	147,696	22,073	7	0	3	8,908	2,575	0.165 mile	12 lanes x 25 yd
		5.16	0.77				0.31			
CU - Denver	10,911	55,492	9,800	2	1	0	3,500	N/A	N/A	6 lanes x 25yd
		5.09	0.90				0.32			
Towson Burdick Hall	18,385	128,370	23,387	3	2	0	3,684	6,140	N/A	8 lanes x 25yd
		6.98	1.27				0.20			
James Madison UREC	19,683	278,525	25,000	8	2	7	5,800	N/A	1/5 mile	8 lanes x 25 yd 2 pools
		14.15	1.27				0.29			
Auburn Recreation & Wellness	25,806	173,625	21,100	6	2	3	4,100	2,500	1/3 mile	Outdoor Leisure Pool & Spa
		6.73	0.82				0.16			
LSU UREC	26,686	177,382	39,250	8	2	9	7,750	3,250	1/3 mile	16 lanes x 25 yd 4 pools
		6.65	1.47				0.29			
Texas A&M Recreation Center	55,492	400,000	32,000	8	2	14	N/A	N/A	1/4 mile	24 lanes x 25 yd 4 pools
		7.21	0.58							
AVERAGE	26,161	202,232	25,090	6	2	6	4,967	3,963	1/4 mile, 3 lane	12 lanes x 25 yd
		7.73	0.96				0.19			

RECREATION PEER COMPARISON, SEE APPENDIX PG. 68-69

PEER FINDINGS – AQUATIC FACILITIES

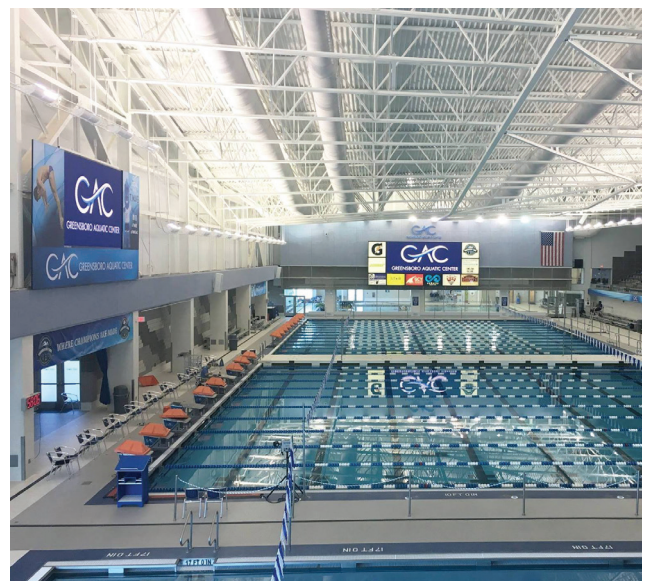
The peer institution analysis for aquatic facilities confirms the need for additional facilities in order to meet the space needs further outlined in this master plan and program respective to ECU's desire for a regional aquatics facility that can be used jointly by ECU students and off-campus community. A regional indoor aquatics facility operated by ECU Recreation and jointly used by ECU Intercollegiate Athletics, Health & Human Performance (HHP), East Carolina Swim Clubs, Greenville Parks and Rec, Pitt County Schools among other community groups has the potential to provide much-needed water space for the greater campus community.

With the exception of one facility, all of the aquatic venues researched as peer benchmarks for this master plan study included on-campus aquatic facilities that are operated by their respective University recreation departments, with shared use by University athletics swim/dive teams and local swim club teams for competition. The demand for multiple bodies of water with variable temperatures, varying depths and more clearly defined aquatics programming that can be run simultaneously is integral to limiting the challenges of overlapping schedules and interference, and requires additional pool space to what is currently available to ECU students. It should be noted that each facility researched also encompassed pools that were a part of a single aquatics venue, thus eliminating the need to operate multiple aquatics facilities across campus.

To meet the demands for traditional recreation programs, including fitness and deep water activities, and provide expanded opportunities to meet today's demands for competition for club teams and remain a viable option for Division 1 Athletics, a regional joint-use facility will need to include at least 4-5 separate bodies of water. This arrangement will allow

two pools to be available simultaneously to serve Recreation program demands for fitness and leisure/social swim activities while also having dedicated NCAA regulation-sized pools available for competition and practice, thus creating new revenue opportunities. Providing a separate 50M-competition pool and regulation dive well has the potential to offer up to 24 lap lanes for swimmers without compromising the use of separate recreation water for open programming. These pools would need to be supplemented by additional training facilities, locker rooms and spectator amenities to support expanded community usage.

The Greensboro Aquatics Center, in Greensboro, NC is one of the largest regional facilities in the area that would be considered a peer facility for community swim club competitive events. The Greensboro facility underwent a recent expansion in 2019 and currently offers five separate pools, including two 50M pools, to support the demand for competition and training space in the region. Please see Appendix for Aquatics Facility Peer Comparison.



GREENSBORO AQUATIC CENTER



SUMMARY OF RECOMMENDED DEVELOPMENT OPPORTUNITIES

As ECU continues to grow and expand to include more interconnected neighborhoods and cross-disciplinary programs supporting student health and wellbeing, multiple facility improvements must be considered. With a shared need for more on-campus space and new funding partnerships, the Campus Master Plan proposes a series of facility and open space improvements that meets the needs of students for purpose-built areas while also enhancing opportunities for cross campus associations and community partners in the future. The Campus Master Plan specifically identifies preferred development projects at the following campus areas to address priority space and program facility needs respective to Student Health, Counseling, Dean of Students, Recreation & Wellness and Aquatics.

Main Campus

- New Center of Student Health, Counseling, and Dean of Students
- Renovate and Expand Existing Eakin Student Recreation Center (ESRC)
 - Option A: ESRC Recreation + Aquatics Expansion
 - Option B: ESRC Recreation Expansion w/ Relocated Aquatics

- Renovated / Expanded Christenbury Memorial Gym Building

Blount Recreational Sports Complex

- Redevelopment of Blount Recreation Fields
- Option A: Outdoor Recreation only
- Option B: Outdoor Recreation + Regional Aquatics / Rec Center
- New Regional Aquatic Center - Ph 1
- New Recreation & Wellness Center - Ph 2

North Recreation Complex

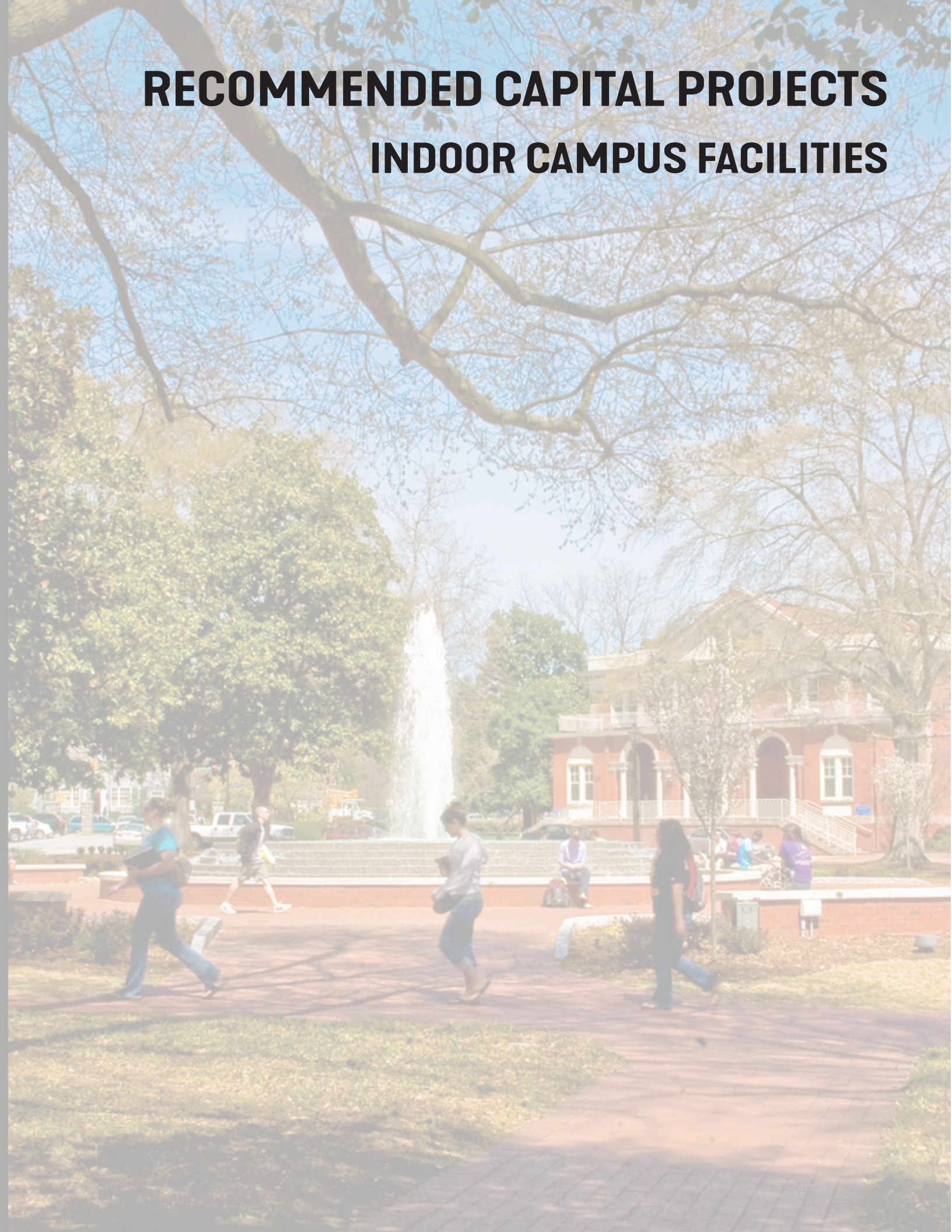
- Conversion of (2) Existing Soccer Fields to Synthetic Turf for Tournaments / Club Teams
- Option for Indoor Field House and Regional Training Facility
- Option for Additional (4) Multipurpose Grass Fields (Soccer/Softball)
- Expanded Boathouse Facility
- Improved / Expanded Sand Volleyball Courts
- Reconfigured 18-hole Disc Golf
- Expanded Shelter/Meeting Space
- Improved Trails & Open Space
- Playground Area for Families
- Additional Parking

Eppes Middle School Field

- Multipurpose Shared-Use Synthetic Turf Fields
- Field Lighting
- Band Storage Facility

RECOMMENDED CAPITAL PROJECTS

INDOOR CAMPUS FACILITIES



STUDENT HEALTH, COUNSELING, AND DEAN OF STUDENTS



EXISTING FACILITIES

Through the Master Plan process the following facilities currently serving Student Health Services, Center for Counseling and Student Development, and Dean of Students on the Main Campus were identified and reviewed by the planning team:

STUDENT HEALTH CENTER

The Student Health Center at the Main Campus is housed in a standalone, historic building along the southern edge of the Campus Mall. The Student Health Center was renovated and added to the existing building. Since, Student Health Services (SHS) has seen a growing demand for care and would like to expand program offerings beyond what can be accommodated in the existing facility.

With a gross building footprint of approximately 29,500 gross square feet (gsf), the existing Student Health Center provides an estimated 17,064 square feet (sf) of assignable space. The American College Health Association's (ACHA) guidelines suggest this is a shortfall of approximately 28,000 sf, and benchmarking data (see appendix pg. 60-61) confirms this. ECU's sf per student is 0.77 versus the 1.4-2.2 sf per student for the benchmarked institutions.

Current SHS services include general medical care, lab and pharmacy services, immunizations, rehabilitation and physical services, nutrition, sexual health, LGBTQ+ Health, and an allergy clinic.



EXISTING COUNSELING CENTER

The facility houses 30 patient exam rooms and three observation beds. While the quantity of exam rooms meets the current and short-term future needs of the health center, the functionality and location of these rooms is not ideal. Presently, several exam rooms are visible from the current check-in and waiting areas creating concerns about privacy and security. In addition, the existing observation room has three beds separated only by curtains. In an ideal setting, these observation beds would be in separate spaces for privacy, and at least one observation room would include a private restroom.

While the quantity of patient exam rooms is sufficient for general services, certain types of patient rooms are either not currently included in the facility or inadequate for the types of services being offered by the Student Health Center. The Colposcopy Room is not adequate for the types of exams taking place, and the existing room does not have an adjacent toilet room, which would be preferred given the nature of the patient exams.

As noted, the existing check-in and waiting areas are very open, and the current check-in counter occupies a considerable amount of

space, making the waiting area challenged for seating. Lack of privacy and security and a lack of division between sick and well waiting also presents challenges. In future, a smaller check-in counter with kiosks for self check-in and a more defined waiting area that addresses both sick and well care are desired to better serve students. In addition, the area for scheduling follow-up appointments is directly adjacent to the main circulation corridor, creating privacy concerns for students and staff. In the future, this should be in the secure portion of the health center.

Specialty and lab services are also in need of expansion as existing needs exceed current capacity. The lab testing space should be expanded to accommodate additional blood draw rooms and adjacent restrooms with pass throughs directly into the lab for sample collection. Radiology requires a larger exam room to accommodate ultrasound equipment which does not fit in the current space. The current pharmacy lacks space for private consultations as well as staff workspace. In a larger pharmacy, SHS would like to offer a separate space for retail and prescription medications, a larger mixing area, additional consultation spaces, and an enlarged staff workroom.



EXISTING DEAN OF STUDENTS

In its current state, the building does not present opportunity for growth of the health center without extensive rework.

CENTER FOR COUNSELING AND STUDENT DEVELOPMENT

The Center for Counseling and Student Development (CCSD) is housed in Umstead Hall along E 10th Street. Originally designed as a dormitory and opened in 1955, a portion of the back side of Umstead Hall was retrofit to accommodate CCSD nearly 12 years ago. Intended as a temporary home, multiple issues such as accessibility, lack of wayfinding, issues with deferred maintenance, HVAC systems, and moisture and mold issues currently create a barrier to the quality mental health services CCSD can provide to the ECU community and makes retaining staff difficult.

The existing CCSD footprint within Umstead Hall provides an estimated 5,931 sf of assignable space. Current services include crisis services, individual and group counseling, substance

use counseling, case management services, psychiatry, victim advocacy, the collegiate recovery community, and outreach programs. The collegiate recovery community also utilizes space within the Main Campus Eakin Student Recreation Center.

The existing center within Umstead Hall includes two entries. The public entry to the center is discrete but difficult to find as it is on the back side of the building. The entrance opens directly into a small lobby with inadequate seating for the number of students visiting the center. The lobby also presents challenges for students in crisis situations with no dedicated space separate from the waiting area to manage students in distress. Triage rooms immediately adjacent to the lobby could mitigate this concern with proper visibility to check-in staff. The second entry is located off the primary entry to the building and presents significant concerns for staff as it cannot be monitored by reception.



COUNSELING / STUDENT HEALTH ENTRANCE EXAMPLE WITH TRIAGE ROOMS



COUNSELING / STUDENT HEALTH ENTRANCE EXAMPLE

The existing CCSD space within Umstead Hall includes 4 staff offices, 15 counseling offices, the collegiate recovery community (CRC) lounge, a group room for 10-12 people, a conference room, and the reception and waiting area. The existing building does not provide opportunities for expansion, especially in major need areas: counseling and staff offices, waiting and reception, CRC lounge, and outreach workroom.

In addition to the building condition and spatial challenges, the existing restrooms were not redesigned when the building transitioned from a dormitory into the CCSD. Thus, restrooms are not equally split between sexes, and the largest restroom includes shower stalls. In addition, there is one single-use restroom which can only be accessed through another space, and there are no private restrooms for CCSD staff.

DEAN OF STUDENTS

The Dean of Students offices are housed directly adjacent to the Center for Counseling and Student Development within Umstead Hall. While finishes and furniture were recently updated, issues with deferred maintenance,

HVAC systems, and moisture and mold, similar to the issues faced by CCSD, present a consistent challenge for the Dean of Students staff, and staff retention and productivity are low due to the poor workspace environment. The exterior entrance to the Dean of Students suite is also not ADA compliant, creating a significant barrier to services for ECU students.

The existing Dean of Students footprint within Umstead Hall provides an estimated 2,950 sf of assignable space.

The main entrance to the Dean of Students suite is up a series of stairs, through an internal stairway. The receptionist is housed in an office space that is not ADA accessible and does not have good visibility to the waiting area. Two additional offices sit outside a secondary security point adjacent to the conference room. In total, there are nine private offices, one shared office, a waiting room, conference room, and restroom.

The existing building does not provide opportunities for expansion or extensive renovation which would be required for the suite to function properly. Office spaces are not conducive for the Dean of Students and staff to

hold private meetings with students and parents. At present, the suite conference room does not accommodate a meeting of more than 10, and the only existing restroom, a multi-user women's restroom, creates significant issues for staff, students, and visitors. In addition, due to its current location, the Dean of Students offices are physically separated from the Conduct Department whom the dean and staff work with regularly and would ideally be immediately adjacent to.

HEALTH, COUNSELING, AND DEAN OF STUDENTS NEEDS & PRIORITIES

As the primary institution in a largely rural portion of the state, many students are remote from their primary care provider(s) and utilize SHS and CCSD as their source for medical and counseling services while away from home, underscoring the importance of these two vital services. Partnered with the Dean of Students, these three essential departments for student success have a strong desire to coexist either within the same building or on adjacent sites. In partnership with the Eakin Student Recreation Center staff, they also have a commitment to student's comprehensive wellbeing and are creating a model for the campus. This comprehensive "wellbeing" model includes:

- Enhanced student experience
- Expanded student access to services
- Improved overall quality of facilities
- Synergy and HUB for Wellness (physically + organizationally)

By co-locating or locating in adjacent facilities, the SHS, CCSD, and Dean of Students can provide more comprehensive care by softly handing off students when holistic treatment or other specialty resources are needed, and promoting ECU's mission to "transform health care, promote wellness and reduce health disparities" across campus.

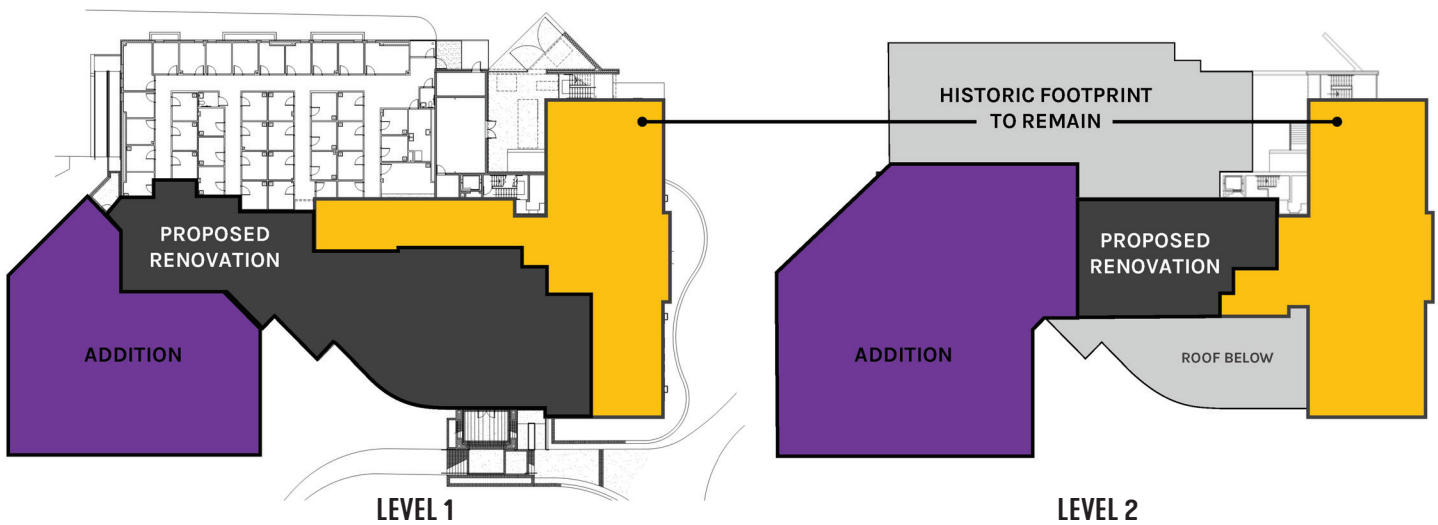
Analysis of existing facilities and staff for SHS, CCSD, and Dean of Students highlights a lack of space and staff across each department, based on current enrollment numbers. This analysis was further confirmed by guidelines provided by the ACHA and the International Association of Counseling Services as well as via benchmarking of peer institutions (See Appendix).

To meet the appropriate guidelines for each of the departments and align with peer institutions, an increase of approximately 21,560 assignable sf is required; this increase would accommodate current and future (5-10 year) needs and include expanding existing services, adding new



COUNSELING / STUDENT HEALTH ENTRANCE EXAMPLES





EXISTING STUDENT HEALTH CENTER

services, and consolidating the departments under the Dean of Students portfolio (Office of Student Rights and Responsibilities, Disability Services, SHS, and CCSD) into a single location. In addition to the departmental services, approximately 6,000 assignable sf of shared space is planned for a lobby, meeting and study rooms, areas for stress management, and exterior meditation and wellness gardens. These spaces are intended to provide space for cross-discipline collaboration and promote the wellbeing of students.

Additional input received from user groups meetings with students; CCSD, SHS, and Dean of Students staff; student-life representatives and administration among other stakeholders, further reinforced the need for expanded health and counseling services as current services do not meet demand. This is especially true of counseling services, who are constantly trying to meet a growing student need while being understaffed and lacking physical resources. While ECU students are satisfied with the services available, it became increasingly apparent through our conversations that students could not receive the level of care needed simply due to the lack of available staff. Many students attempt to seek out services in their hometowns as services are overbooked on campus, but in a rural community, this is of deep concern to staff as at-risk students may fall through the cracks.

This master plan recommends ECU consider consolidating SHS, CCSD, and Dean of Students to a single location along E 10th Street adjacent to the existing Main Campus Student Center and near the Eakin Student Recreation Center. This prominent location would emphasize the importance of student wellbeing and allow for shared services and a holistic approach to student wellness that focuses on both the mind and body.

HEALTH, COUNSELING, AND DEAN OF STUDENTS BUILDING INITIATIVES

To meet the demands for additional health, counseling, and Dean of Students space, this master plan study explored two possible development scenarios. The first scenario envisions a new building to accommodate all departments, and the second scenario includes a new building to accommodate CCSD and Dean of Students, and a renovation and addition to the existing Student Health Center.

OPTION A: NEW BUILDING FOR HEALTH, COUNSELING, AND DEAN OF STUDENTS

Option A would provide a single shared facility for health, counseling, and Dean of Students. This facility would be constructed in phases with the phase 1 relocating CCSD and Dean of Students from Umstead Hall and phase 2 relocating SHS from the existing Student Health Center. This approach would allow for phased funding as well as the ability to address the most immediate need first. Residential Services

looks to reclaim the spaces currently occupied by CCSD and Dean of Students within Umstead Hall should they relocate.

The first phase of the proposed building imagines a new, multi-story U-shaped building along E 10th Street with Dean of Students, Offices of Rights and Responsibilities, and Disability Services in the more public-facing southern wing, and CCSD located in the northern wing. Each department would have separate waiting and reception areas to provide safe space for students, especially those seeking CCSD services, whose entrance would be well-marked but hidden from public view by an internal courtyard garden.

During a second phase, a third wing is proposed to accommodate Student Health Services. This addition would create an additional courtyard garden between CCSD and SHS and provide a strongly desired direct connection between CCSD and SHS. Many of the shared services would also be added during this phase.

OPTION B: NEW BUILDING FOR COUNSELING AND DEAN OF STUDENTS + STUDENT HEALTH CENTER RENOVATION AND EXPANSION

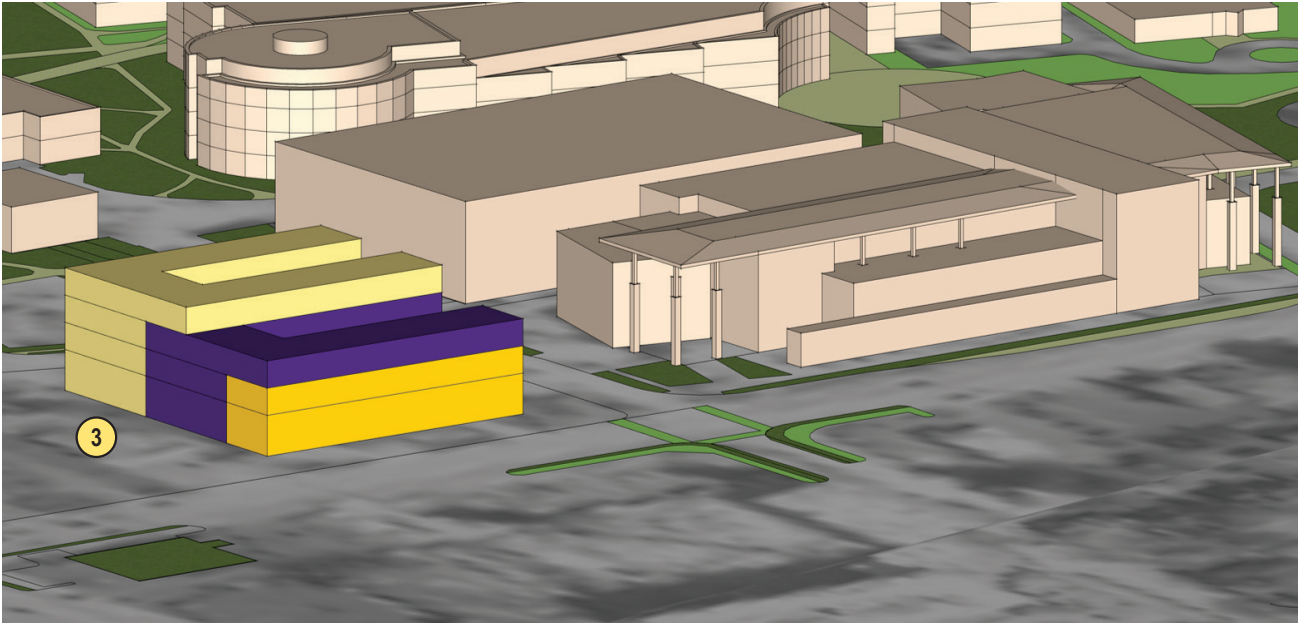
This option echoes the Option A approach for CCSD and Dean of Students with the U-shaped building along E 10th Street while SHS remains in their existing location but undergoes a significant renovation and addition.

The Student Health Center renovation and expansion would focus on an extensive upgrade of the existing reception and waiting area, pharmacy, and lab services, and the expansion would allow for growth of specialties and accommodation of outreach spaces as well as bariatrics exam rooms which the SHC does not currently have. In total, an addition of approximately 10,500 gsf and renovation of approximately 10,000 gsf would be required to accommodate the needs of SHS.

Renovation and expansion would need to happen in phases so SHS could remain operational during construction. Due to the constraints of the existing site, it is believed that expanding to a third level may be necessary to accommodate program requirements. This would require extensive structural investigation to determine if a third level can be accommodated with the existing structure or if an additional structure would be required. In addition, the original building should not be impacted, so any expansion would take place above and adjacent to the building addition.

PROGRAM

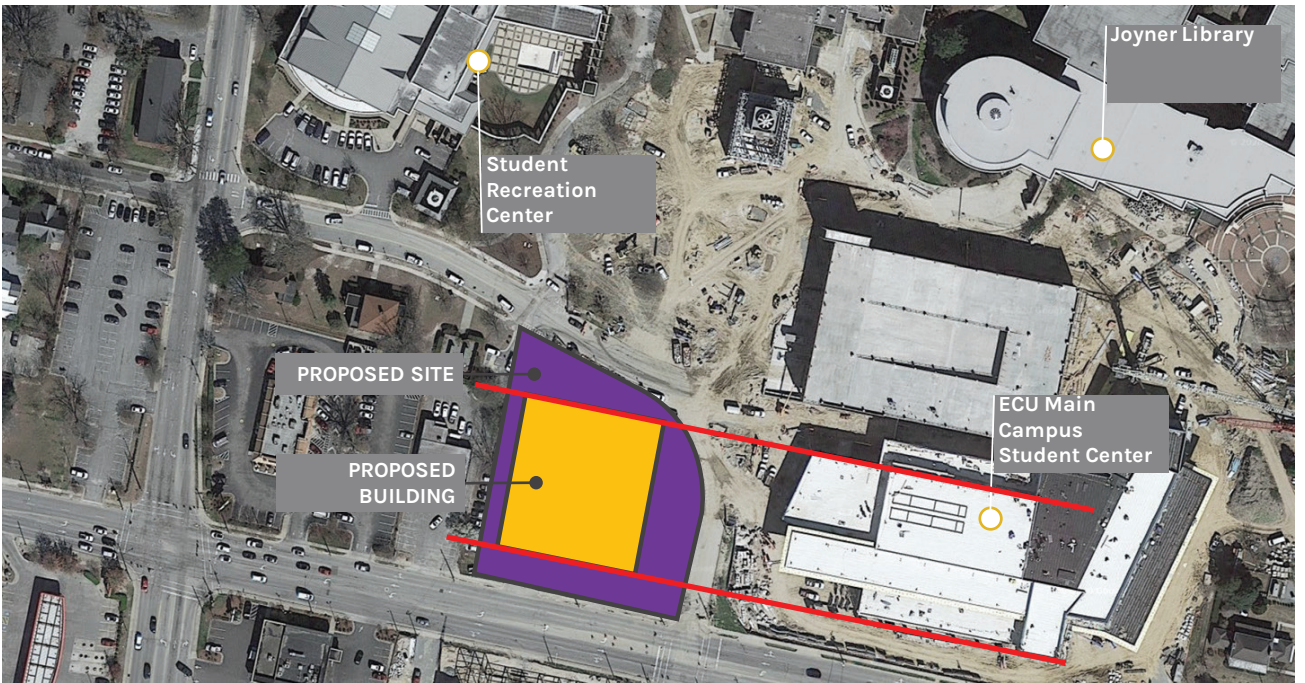
See appendix for Preliminary Program of Spaces for future Health, Counseling, and Dean of Students needs associated with development options A & B recommended with this Master Plan.



OPTION A: FUTURE STUDENT HEALTH, COUNSELING, & DEAN OF STUDENTS

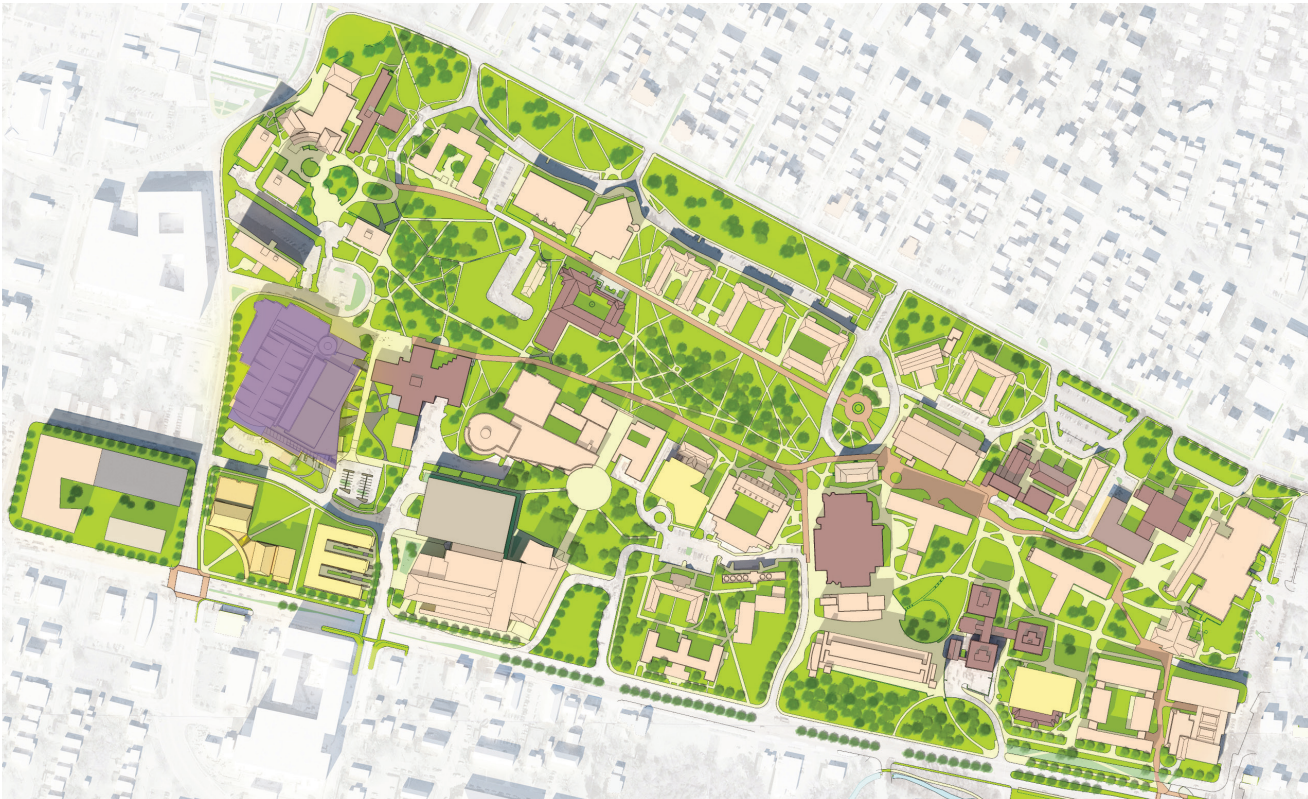
MAIN CAMPUS

- ① Counseling
- ② Dean of Students
- ③ Student Health Center



SITE DIAGRAM

INDOOR RECREATION & WELLNESS



EXISTING INDOOR RECREATION FACILITIES

Through the Master Plan process the following facilities serving Indoor Recreation were identified and reviewed by the planning team:

EAKIN STUDENT RECREATION CENTER (ESRC) AT MAIN CAMPUS

The Eakin Student Recreation Center (ESRC) on the Main Campus represents the primary indoor recreation and wellness destination for students at East Carolina University. Originally opened in 2005, the ESRC has experienced a growing demand for more space to support a variety of recreation programs and services that exceeds the breadth of services originally intended for this facility.

Located on the west side of the Campus Core District, bound by Seventh Street to the north

and Cotanche Street to the west, the ESRC is prominently located near the new Student Center and campus entrance along Tenth Avenue. The ESRC serves as an important destination for students throughout the day by providing key indoor facilities serving recreation, fitness, wellness and aquatics programs in addition to shared activity spaces for intramurals, club sports and a variety of student organizations. Although a number of academic classes have been recently moved to web-based instruction, the ESRC continues to serve the ECU academic community as one of many campus buildings supporting Health and Human Performance (HHP) courses throughout the week. The ESRC currently operates from 5:30am – 11:30pm during the week (M-F) with adjusted hours on the weekends.

With a gross building footprint of about 150,000 gsf, the existing ESRC provides an estimated 123,239 SF of assignable indoor recreation program space. The facility includes six basketball courts, however, two of these courts are overlapped by the 27-foot high rock-climbing wall, which limits their availability for open play and intramurals. Additional program spaces include an 11,000 sf fitness center with free weights and strength training equipment, indoor cycling zone, mind & body zone, resistance training zone, functional cross training zone, three racquetball courts, three multipurpose group exercise studios, a separate cardio area, elevated running track, classroom, locker room and administrative offices. ECU recently repurposed some spaces on Level 2 to create a Wellness Suite and Athletic Training Center to serve student demand for expanded programming in these areas. An Outdoor Adventure Center located on Level 1 has direct access to a shared loading dock on the backside of the ESRC for indoor and outdoor equipment rentals.

CAMPUS RECREATION & WELLNESS (CRW) AT HEALTH SCIENCES CAMPUS STUDENT CENTER

Opened in 2017 with the goal of relieving some of the pressure on the ESRC and providing a satellite facility more accessible to students attending the Health Sciences and Medical District, the Campus Recreation & Wellness at Health Sciences Student Center offers approximately 25,000 sf of assignable recreation and fitness space. The two-story open concept facility accommodates a variety of recreation program activities including open recreation, fitness, and scheduled programming. The facility also offers small group training, group fitness classes, functional cross training, intramural sports, and special event reservations. The CRW at Health Sciences Campus Student

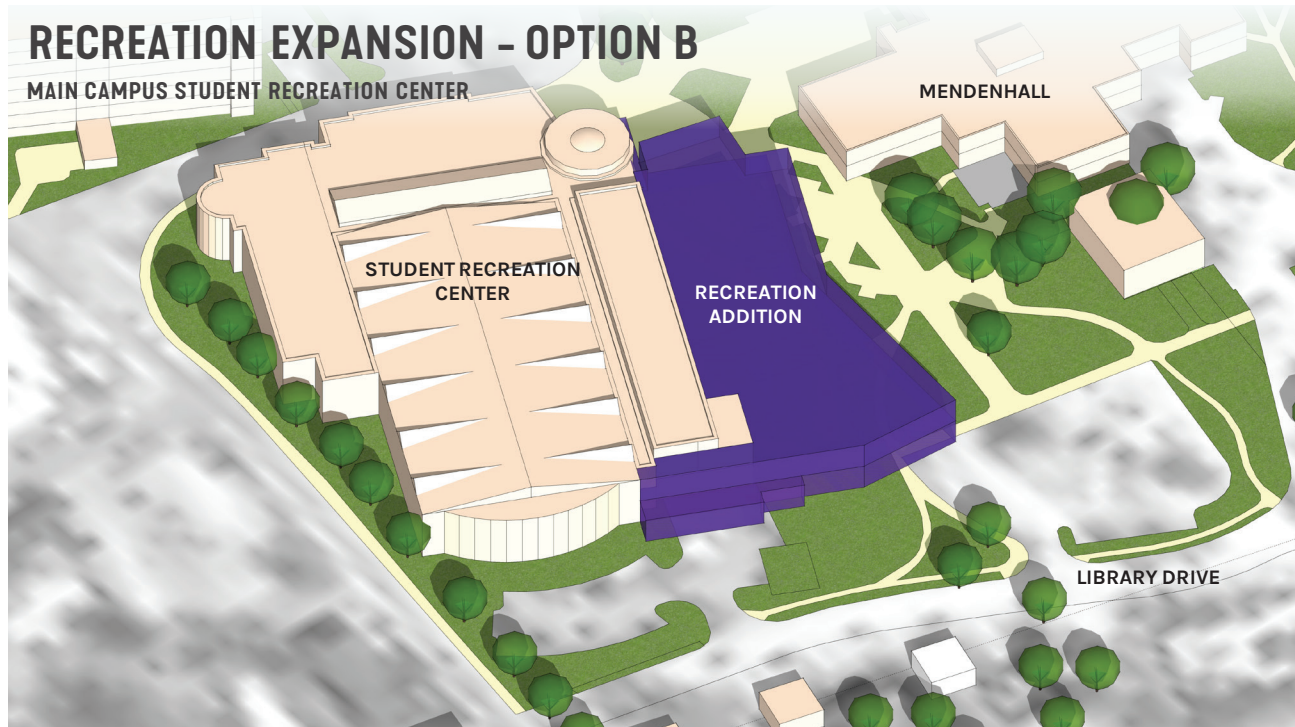
Center currently operates from 5:30am – 11:30pm during the week (M-F) with adjusted hours on the weekends.

Specific program spaces at this facility include a multipurpose gym space sized for one full-size basketball court, or two smaller court configurations for volleyball, badminton or pick-up basketball. The center includes approximately 9,000 square foot of total fitness equipment space supported by a variety of strength training (selectorized), free weights and cardio equipment. In 2019, a portion of the second floor, originally designed as a group exercise studio, was converted to create a 2,000 sf cross fit studio allowing for more personalized training and functional fitness opportunities. The second floor of the facility also includes a 2,000 sf group exercise studio that is used for a variety of scheduled recreation and wellness classes including group fitness and dance. Locker rooms on the lower level of the facility offer restrooms, showers, and lockers that are available for rent. There is also an ADA accessible family changing room.

The Wellness Center at HSC Student Center is a separate area that offers a meditation space, sleep and massage chairs and access to information on additional wellbeing services and programs offered by ECU Recreation and other campus partners.

INDOOR RECREATION NEEDS & PRIORITIES

The Eakin Student Recreation Center on the main campus and satellite Student Recreation & Wellness Center on the Health Sciences Campus play an important role in the daily lives of students and their overall wellbeing on the ECU Campus. During the academic year, the various indoor recreation facilities, including the Eakin Student Recreation Center (ESRC) and the CRW Health Sciences Campus Student Center experience consistently heavy use by the entire campus community including full time



and part-time students, commuter students, faculty and staff as well as a limited number of community users. The demand for additional space to accommodate realized growth in student participation for traditional recreation programs is combined with the desire to add new programming in response to growth in a number of program areas including group fitness, personal training, sport clubs, and a wide range of health and wellbeing initiatives. Combined, they create a need for additional indoor recreation space.

While the overall student enrollment numbers for the ECU Campus demonstrate a moderate increase over the past 10 years with total enrollment, including full time and part time students, analysis of existing indoor recreation facilities against NIRSA Space Standards show a current calculated deficiency and demonstrated “need” of about 109,000 SF of additional net assignable program space providing combined recreation and aquatics services. Based on the NIRSA analysis alone, the calculated need recommends a total indoor assignable recreation program space demand of 256,713 NSF compared to the existing space allocation of 147,696 NSF across both of the existing ECU Recreation facilities.

This calculated need is based on the current NIRSA ratios as provided by the 2006 College Recreational Sports Facility Inventory. As such, the NIRSA ratios do not consider the recent growth trends in diversified fitness programming since 2005 or more recent demands for Health & Wellness program space that will continue to put pressure on ECU Recreation services for space.

Additional input received from user group meetings with students, recreation staff, sport club teams, student-life representatives and administration, further reinforces the need for expanded recreation space, as indoor facilities across all campus districts are not able to meet current demands for indoor recreation and wellness space. While ECU students are generally satisfied with the current indoor recreation facilities on campus, the ESRC is frequently overcrowded during peak demand (early evenings until 10pm) and access to fitness spaces, gymnasiums and multipurpose training spaces is increasingly difficult to accommodate. This challenge for additional space will become more problematic as the overall campus enrollment grows. While the opening of the RWC at the Health Science Campus has provided a much-needed facility

to serve the student community in the Health Science and Medical District, the space usage demand remains high for the ESRC. The ECU Recreation administration has noted that many students living on the Main Campus are choosing to drive to the Health Science Campus to use their fitness spaces. Additionally, there is an increasing desire by students and staff to provide additional indoor recreation facilities to serve the residence halls and students living on the south side of campus in the College Hill neighborhood.

This master plan recommends ECU consider increasing indoor recreation space through construction of a new satellite Recreation and Wellness Facility near the College Hill / Athletics district at the Blount Field Complex as part of a joint-use Regional Aquatics Center or the option of a phased addition to the existing Eakin Student Recreation Center on the Main Campus. Future consideration should also be given to replacement of the existing Christenbury Memorial Gym building with a new multi-use campus facility promoting synergies between academics (health & human performance, dance, etc.), rotc, recreation, and student life for additional activity spaces accessible to the main Campus Core District.

All proposed development scenarios should be focused on addressing the demand for additional recreation and wellness space with the following program areas as targeted priorities:

Space Type

- Additional Fitness Equipment Space
- (2) Additional Courts for Basketball/Volleyball
- Multi-Athletic Court (MAC) Gym for Indoor Sports
- Additional Multipurpose Group Exercise Studios
- Multipurpose Classrooms
- Indoor Climbing Wall

- Expanded Wellness Center
- Expanded Recreation Aquatics / New Pools

EAKIN STUDENT RECREATION CENTER (ESRC) EXPANSION OPTIONS & BUILDING INITIATIVES

To meet the demands for additional recreation, wellness and aquatics program space as a future expansion of the existing Eakin Student Recreation Center, the master plan study explored two possible development scenarios. A renovated and expanded ESRC facility is viewed as an opportunity to address two fundamental objectives of the current campus master plan which includes enhancing the current student experience and relationship with the Campus Core and the opportunity to renovate an existing building to better serve the needs of the University.

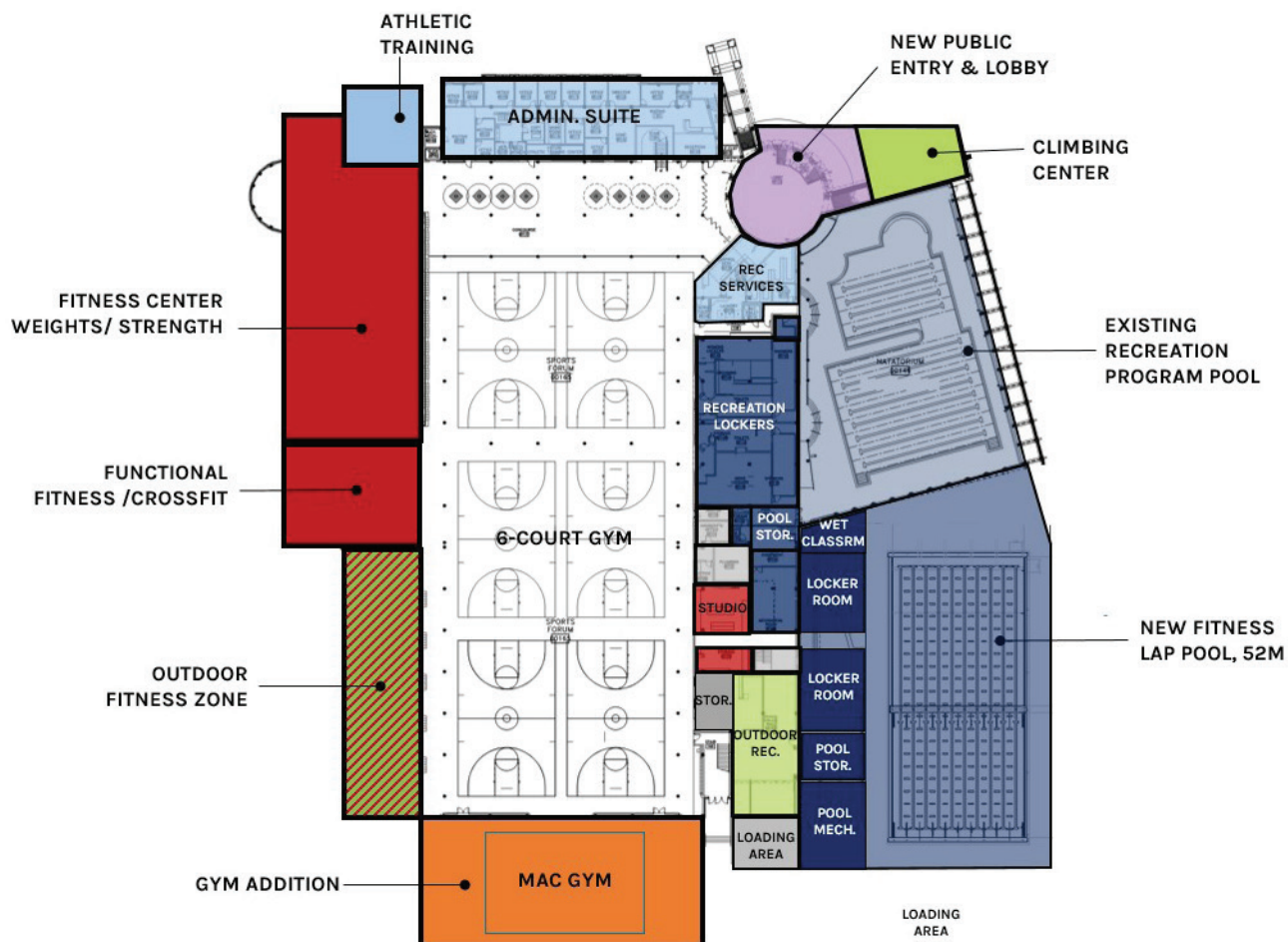
OPTION A: ESRC RECREATION + AQUATICS EXPANSION + RENOVATION

The first phase of the ESRC Expansion Option A envisions constructing a new multi-story addition on the west side of the existing building facing Cotanche Street to replace the existing Fitness Center. This option provides an opportunity to create a new Fitness experience at the ground level that allows for additional equipment space serving strength and weight training, better layout and more visual connectivity /daylighting opportunities. Level 2 spaces will feature new group fitness/exercise studios with better mix of sizes serving multipurpose use and the addition of a dedicated mind/body studio. An option for construction of a third level would allow for build-out of additional multipurpose classrooms and studios to support student organizations and dance.

Phase 2 of this option involves constructing an addition on the east side of the existing ESRC Building to accommodate a second indoor pool facility in support of expanded recreation

aquatics programming and access to deep water. An expanded ESRC Aquatics Center will include a new indoor 52M x 25yd fitness lap pool with movable bulkhead and varying water depths. The second pool would provide up to 16 x 25yd additional lap lanes for swimmers and club team practice without compromising the use of separate space for recreation programs and unstructured social activities. The existing indoor recreation pool remains in its current location serving a variety of aquatics programming. This pool addition option would also include additional locker rooms and pool support spaces to encompass a lifeguard/first aide room, multipurpose wet classroom, pool equipment storage and club team storage for expanded community use.

Phase 3 will include the construction of a new Multi-Activity Court (MAC) Gym on the south side of the existing ESRC to address gym deficiencies in court space and an addition on the northeast side of the building to enhance the public entry experience, enlarge the lobby and create a new home for the indoor climbing center that is more accessible and visible to students walking across campus. The third phase would also include renovations to the existing ESRC to update the existing administration/marketing office suite, replace existing gym (courts #1-#6) flooring and lighting, upgrade finishes in public spaces and improve experiential graphics and wayfinding.



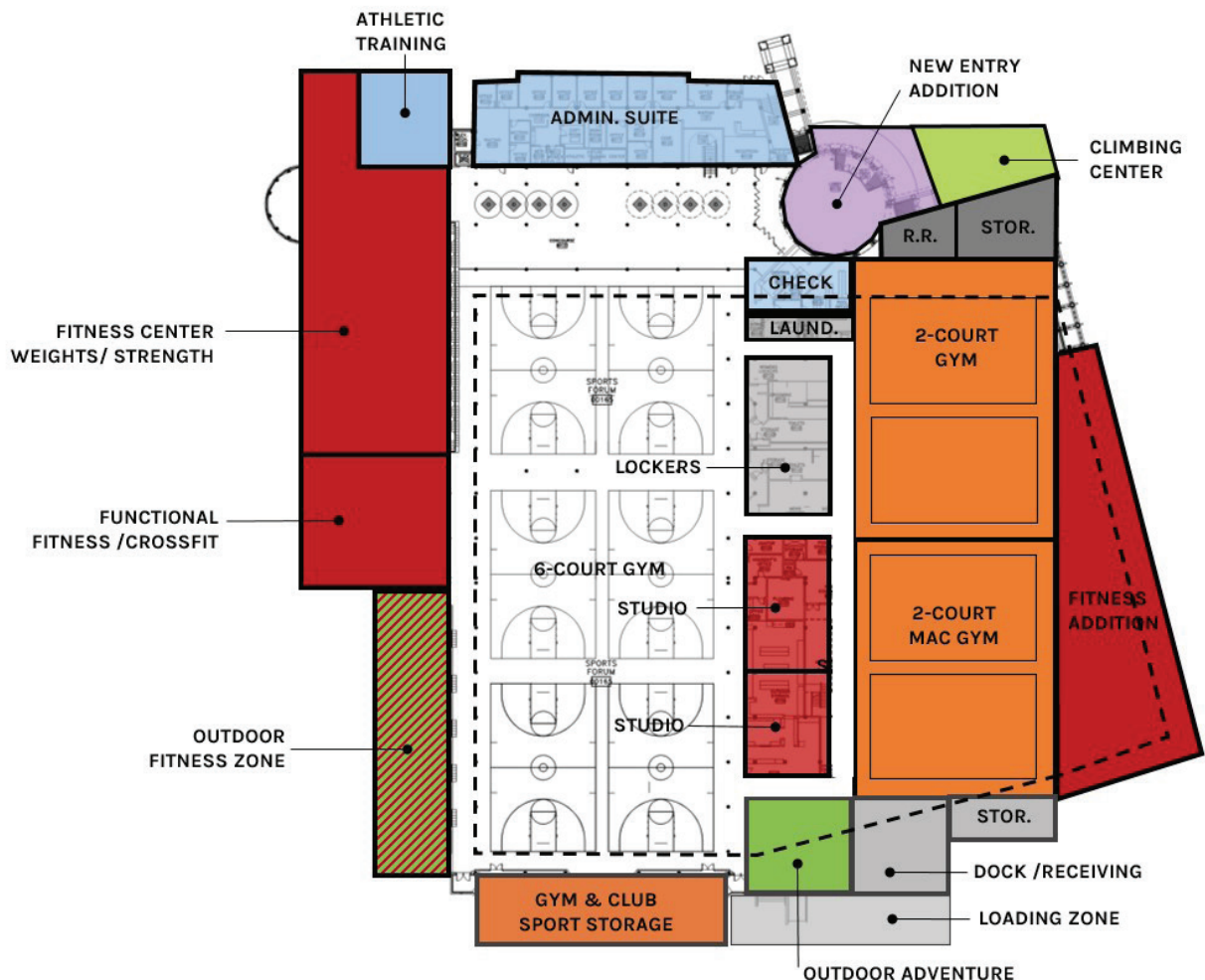
OPTION A: ESRC RECREATION & AQUATICS EXPANSION

OPTION B: ESRC RECREATION EXPANSION + RENOVATION (RELOCATED AQUATICS)

Similar to Option A, the first phase of the ESRC Expansion Option B envisions constructing a new multi-story addition on the west side of the existing building facing Cotanche Street to replace the existing fitness center. This option provides an opportunity to create a new fitness experience at the ground level that allows for additional equipment space serving strength and weight training, a better layout and more visual connectivity /daylighting opportunities. Level 2 spaces will feature new group fitness/exercise studios with a better mix of sizes, serving multipurpose use and the addition of a dedicated mind/body studio. An option for construction of a third level would allow for build-out of additional

multipurpose classroom and studios to support student organizations and dance.

Phase 2 of this development scenario envisions demolition and replacement of the existing natatorium / outdoor pool and construction of an addition specifically serving the indoor recreation space needs without aquatics. With a larger footprint available for expansion to address the full recommended recreation program, this option includes the construction of two additional courts for basketball/volleyball along with a 2-court MAC Gym on the west side which would significantly expand court space at the ESRC to a total of ten courts. The east side expansion will include additional fitness space to expand opportunities for cardio equipment and flexible fitness. The existing running track loop will be



OPTION B: ESRC RECREATION EXPANSION / RENOVATION

extended to create a second loop option and provide visual connectivity to the exterior and new fitness spaces below.

Phase 3 will include the construction of additional gym and sports club storage on the south side of the existing ESRC, and an addition on the northeast side of the building to enhance the public entry experience, enlarge the lobby and create a new home for the indoor climbing center that is more accessible and visible to students walking across campus. The third phase would also include renovations to the existing ESRC to update the existing administration/marketing office suite, replace existing gym (courts #1-#6) flooring and lighting, upgrade finishes in public spaces and improve experiential graphics and wayfinding.

Option B Expansion for the ESRC is contingent on construction of a new recreation aquatics facility at an alternate location on campus to replace the existing ESRC Pools (re: Recreation Aquatics).

RECREATION & WELLNESS CENTER AT BLOUNT FIELD COMPLEX

To meet the full demands for additional recreation, wellness and aquatics program space as a new satellite Recreation and Wellness Facility near the College Hill / Athletics district, the preferred option is to develop a new multiuse recreation and sports facility at the Blount Field Complex. The vision for this facility proposes a phased redevelopment of the existing Blount property to encompass an indoor regional aquatics facility, recreation/fitness center, and outdoor athletic fields supporting intramural play, open recreation and community use for youth clubs. This option provides multiple benefits, as it allows the Campus to provide much-needed recreation space that is more accessible to students on the south side of campus while also creating an opportunity for a facility project that could be funded jointly with community partners including City of Greenville,



ESRC RECREATION & WELLNESS CENTER FITNESS ADDITION

Greenville Sports Commission, Pitt County School District, and local swim clubs. This option was viewed as the preferred on-campus site location for a joint-use regional aquatics center and is consistent with the market demand conclusions presented by a separate feasibility study conducted in 2017 for the City of Greenville for a potential future sports complex.

Following construction of a regional aquatic facility (Blount Aquatics Center) at the property, the second building phase will include construction of a new satellite recreation and wellness center on the north side of the Blount property. The recreation addition is expected to encompass a multi-story building, approximately 117,000 gsf, to include a variety of indoor recreation program areas including a two-court gym for basketball/volleyball, Multi-Athletic Court (MAC) Gym, fitness center (cardio, weights, strength equipment), functional fitness/cross-fit studio, group exercise studios, indoor track,

wellness center, multipurpose classrooms, community lounge, and administrative offices. While the vision for this facility includes a recreation center that is physically connected with the regional aquatics center, the Recreation Center will have a separate controlled entrance, allowing the indoor recreation center to be zoned separately from the Aquatic Center.

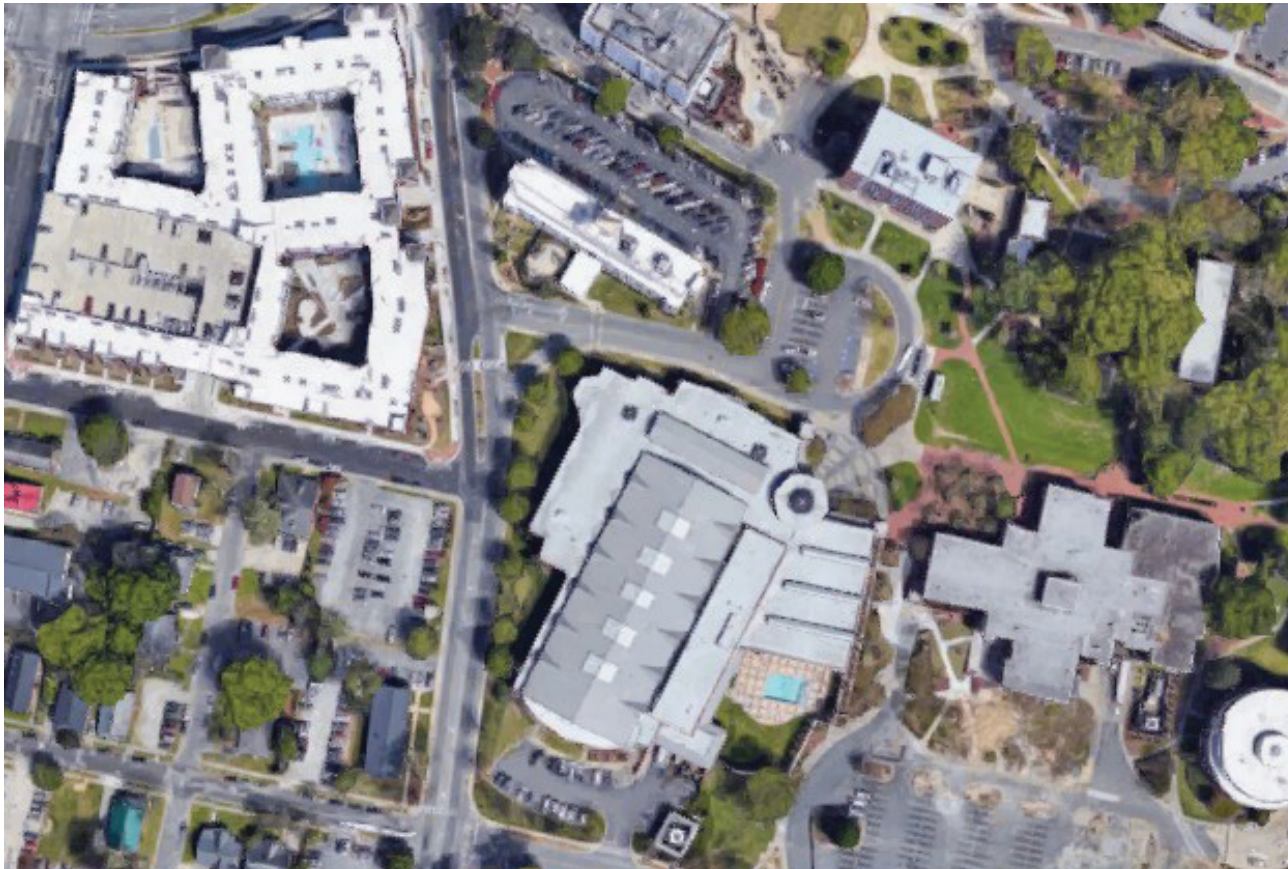
The location of the new Blount Recreation Center proposed with this master plan provides a great opportunity to relocate and expand outdoor recreation program services currently located at the ESRC, by creating a new indoor climbing wall, outdoor adventure center and outdoor equipment storage with direct access to fields, wooded landscape and greenway trail connection accessible from Blount.

The relocation of these program areas will subsequently allow Courts #5 and #6 at the ESRC to be renovated and fully available for basketball / volleyball as originally intended.



FUTURE MAC GYM AT ESRC

RECREATION AQUATIC FACILITIES



EAKIN STUDENT RECREATION CENTER NATATORIUM SITE VIEW

EXISTING AQUATIC FACILITIES

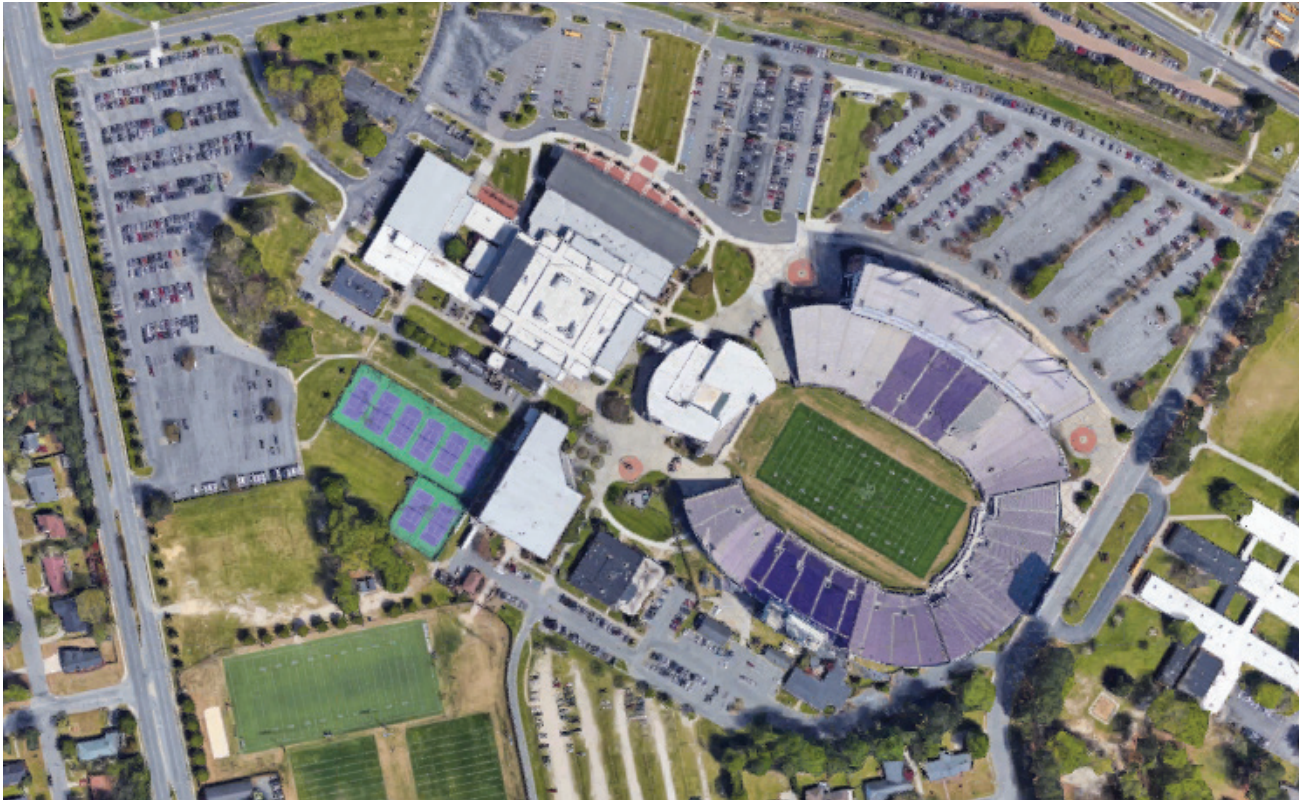
Through the Master Plan process the following aquatic facilities serving recreation were identified:

ESRC NATATORIUM

CRW has two swimming facilities for aquatics program opportunities with the primary open recreation aquatic facilities located on the Main Campus within the Eakin Student Recreation Center (ESRC) building. The ESRC Natatorium includes an 8-lane, 25-yard indoor lap pool for fitness swimming combined with an informal 4-lane, 20 yard water area for open swim. The indoor pool area also includes room for leisure pool activities with multiple water jets and bench

seating. The indoor pool is supplemented by a small outdoor pool, open deck and lawn area that is open to students seasonally for leisure activities and open play. Locker and shower facilities are provided as part of shared locker space within the ESRC.

The ESRC pool currently serves multiple user groups for open swim and structured recreation activities such as recreation, HHP, community & faculty memberships, swim club practice and special events. The ESRC pool depth does not support deep water activities or instruction nor any competitive swimming or diving activities.



MINGES NATATORIUM SITE VIEW

MINGES NATATORIUM

Minges Natatorium is located in the Minges Coliseum Complex in the Athletics District on the south side of campus. This facility serves as the home for all ECU Pirate swimming and diving activities as a shared-use facility between Athletics and Recreation. With a seating capacity of over 300, Minges Natatorium includes two separate competitive pools. Swimmers utilize an eight lane, 25-yard competition pool for swim practice, training and on-campus events. A separate six lane, 20-yard dive pool is provided for competition and warm-up.

The diving well features two one-meter springboards, two three-meter springboards, and a separate one-meter platform. It also utilizes two video playback systems with 40" monitors on each side of the pool providing immediate feedback to athletes. The pools have separate water temperature control systems to create a more comfortable training situation. Divers also have access to dry-land training equipment including a trampoline, dry board with

spotting rig, and various tumbling mats for core and stability workouts which are stored around the pool deck.

University records indicate that water filtration and air temperature control systems were both updated in 2013 to create a better competition and training environment. An indirect lighting system, along with improvements to the facilities acoustics and sound system was also added in the summer of 2014.

AQUATIC FACILITY NEEDS & PRIORITIES

During the master plan study, the design team met with the multiple campus and community stakeholder groups as part of two separate work sessions to gain insight on priority aquatic interests and needs of the collective campus community. Representatives from ECU Recreation, ECU Intercollegiate Athletics, City of Greenville Parks & Recreation, Greenville Sports Commission and Greenville School District discussed priorities and interest in a joint-use shared regional aquatic facility. The Facility Assessment and Evaluation survey conducted with this Master Plan identified a

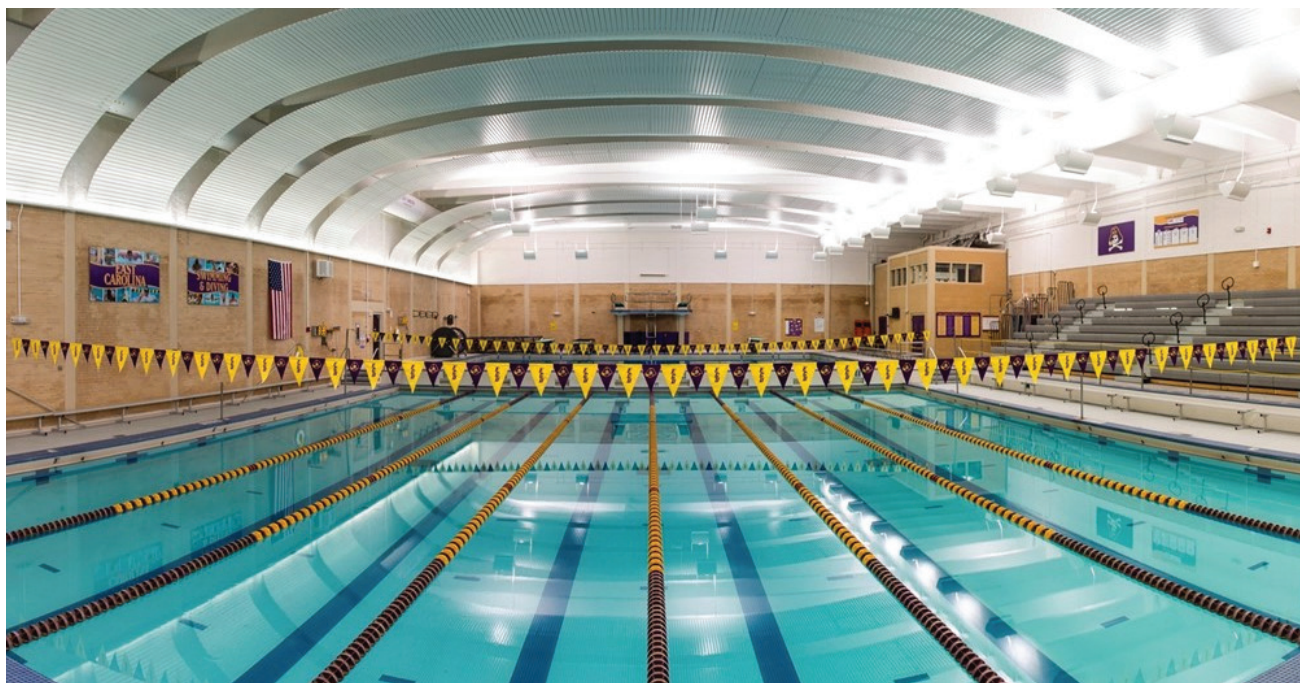
baseline need by Recreation for additional program water and fitness lap lanes to meet current demand for open recreation, instructional swim programs and social water. The indoor pool does not allow for deep water activities including club team diving, scuba training or deep water certification classes.

Based on analysis of existing demand and stakeholder input, the priority for future expansion of aquatics should be focused on options to support broader water programming as part of a regional, joint-use, aquatics facility. To serve current recreation demand and future competitive events, program features would need to encompass multiple bodies of water of varying depths and temperatures. As such, expansion options should include the following:

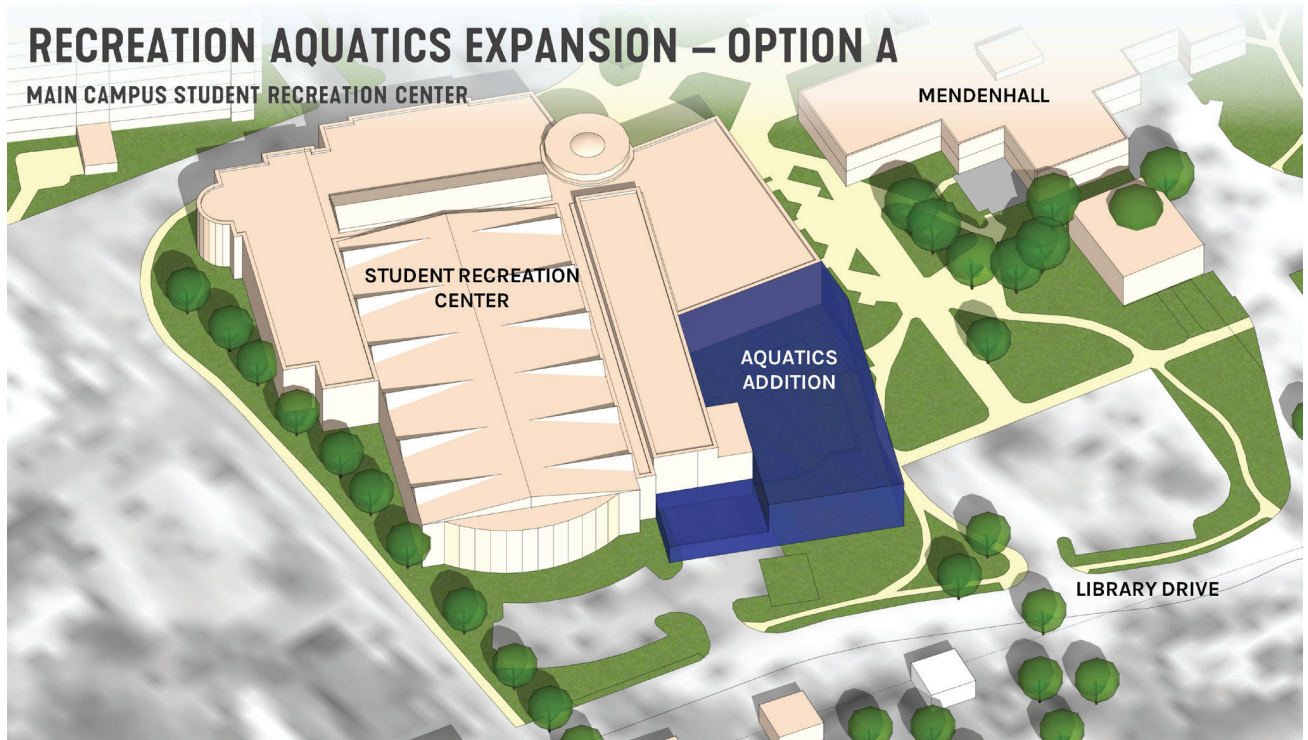
- Recreation Program Pool
- Leisure / Social Pool
- Competition Pool (50M)
- Deep Water / Diving Well
- Spa Pool



ESRC NATATORIUM



MINGES NATATORIUM



EAKIN STUDENT RECREATION CENTER (ESRC) AQUATICS OPTIONS

To meet the demands for traditional recreation programs, including fitness and deep water activities, and provide expanded opportunities to meet the campus community goals for competition serving Athletics and local swim clubs, the master plan indicates two options for a potential future expansion and addition to the existing ESRC building.

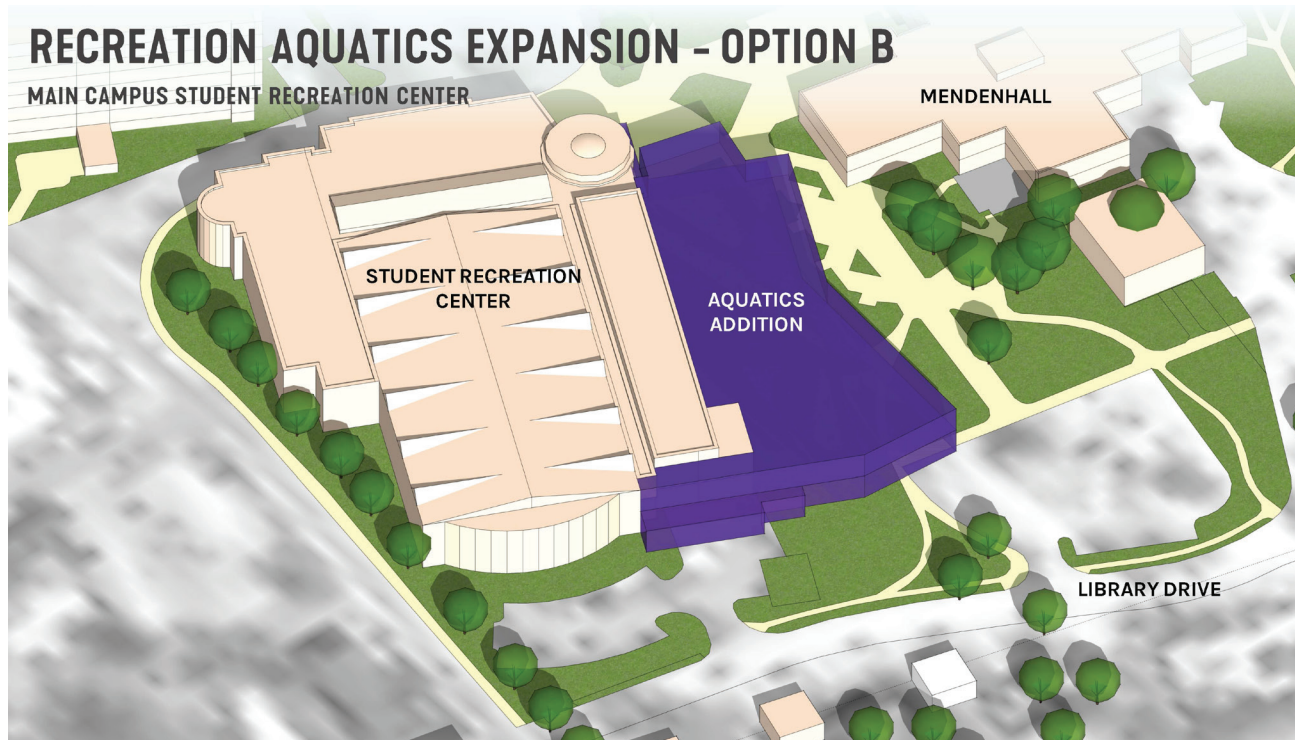
OPTION A: RECREATION + COMMUNITY USE FACILITY

Option A envisions an addition on the east side of the existing ESRC Building to accommodate a second indoor pool facility that supports expanded recreation aquatics programming with access to deep water. This option also includes an expanded ESRC Aquatics Center with a new indoor 52m x 25yd fitness lap pool with movable bulkhead and varying water depths. This additional second pool would provide up to 16 x 25yd additional lap lanes for swimmers and club team practice without requiring the use of a separate pool for recreation programs and unstructured social activities. The existing indoor recreation pool remains in its current location serving a variety of aquatics programming. Additional locker rooms and pool support spaces

would be added to encompass a lifeguard/first aid room, multipurpose wet classroom, pool equipment storage and club team storage for expanded community use.

OPTION B: RECREATION + ATHLETICS + COMMUNITY USE FACILITY

Option B envisions a complete replacement of the existing ESRC Natatorium / Indoor Pool and construction of a larger addition on the east side to provide all new pools facilities as part of a joint-use aquatics facility, with a more balanced layout of aquatics space serving recreation, competition and community usage. This option includes four (4) new pools as separate bodies of water. The feature pool for the facility would include a 52m x 25yd Competition Pool serving all users for fitness lap swimming, recreation programs, swim team practice and competition. It would include a movable bulkhead to allow for simultaneous use and up to 16 swim lap lanes. A separate regulation diving pool (75'x40') would provide sufficient space supporting a combination of springboards and platforms for competitive diving along with additional warm-up lanes for swim competition. A separate recreation-only pool and spa would feature a variety of water activities and amenities to



accommodate any number of programs. The recreation pool would need to be designed to include zero-depth entry access and warmer temperature water in the range of 84-86 as the primary open recreation / social pool.

The new pool facilities would need to be supplemented by additional facilities to support the broader aquatics program usage, activities and events supported by an expanded ESRC. Additional program spaces specific to a future ESRC Natatorium/Indoor Pool Facility will need to include additional program space at the pool deck-level for athletic team lockers, community use lockers, wet classrooms, athletic training, lifeguard / first aide, pool office, pool equipment storage, and event management operations. Additional patron facilities and spaces will be added as part of the second floor, including an area for spectator seating, dry-land training, concessions and dry-side public restrooms to support events, including NCAA competition and community swim events.

REGIONAL AQUATIC FACILITY AT BLOUNT FIELD SITE

In response to the strong desire by ECU Recreation and various aquatic stakeholder groups to create a new regional aquatics center

that can be a destination facility, centrally located, for both recreation and competition, the Master Plan considered alternate expansion scenarios for a new regional aquatic facility located at the Blount Recreation Fields property. The preferred option for a Blount Aquatics Center project envisions construction of a larger shared-use aquatics facility estimated to be 115,000 GSF in size to accommodate a comprehensive program of aquatic spaces and multiple bodies of water recommended as an outcome of the program assessment portion of this master plan. It is anticipated that this facility would require a site footprint of about 5-6 acres of existing field property to accommodate a new natatorium, on-site parking and additional expansion opportunities.

The Blount site option envisions a new stand-alone building on the northeast corner of the Blount property with direct access from Charles Boulevard. While the primary use of the facility would be aquatics, as a regional facility serving multiple community stakeholders including ECU Recreation, ECU Athletics, Greenville Community, local swim clubs and regional use, this site location also provides the opportunity to construct additional recreation fitness program space as part of a phased expansion.

PHASE 1 – ECU AQUATICS CENTER

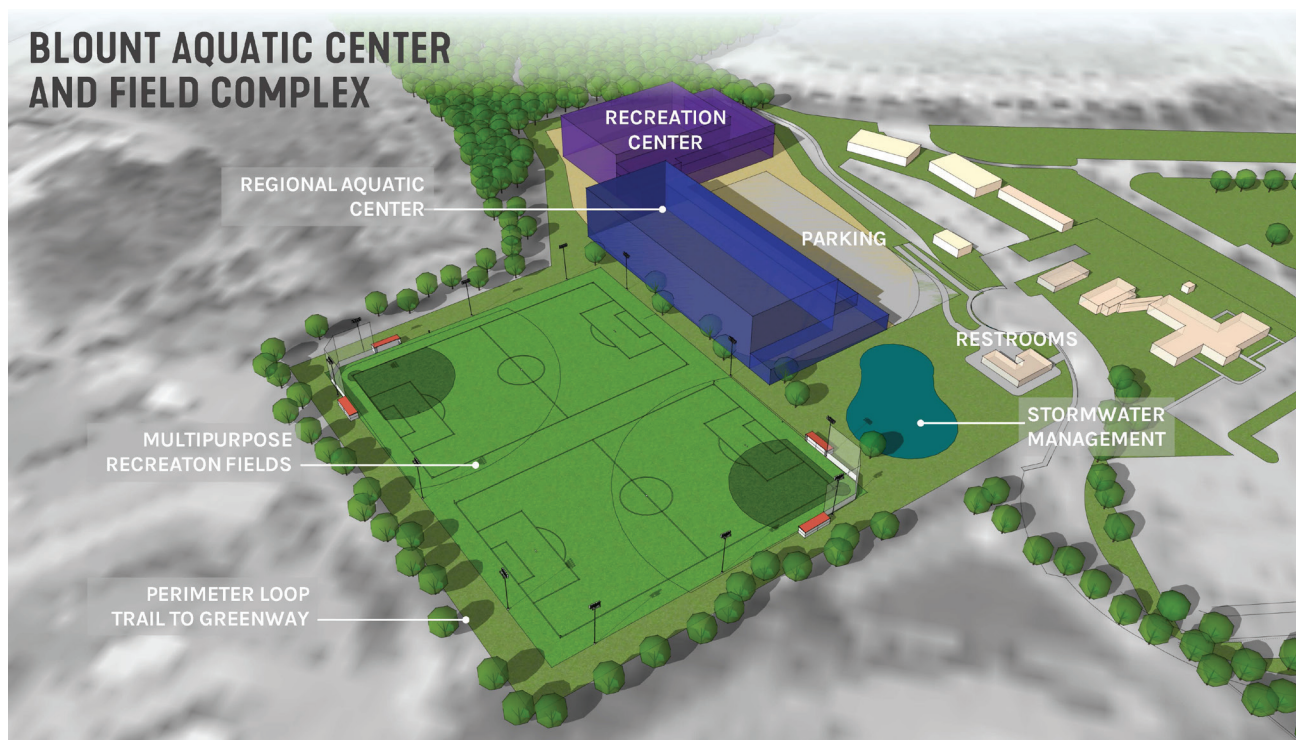
The initial development envisions construction of a new joint-use aquatics facilities to replace the existing pool facilities currently operated by ECU Recreation at the ESRC and Minges. Once completed, all aquatics activities could be moved to Blount, permitting existing aquatics space at the ESRC and Minges to be repurposed for other programs as needed.

A regional aquatics facility attracting a wide demographic of users and events, will require additional facilities and program spaces to support a broad range of uses including traditional structured recreation, academic classes, community programs and competitive swim. As a result, the new facility will include additional program allocations and spaces at the pool deck-level for competitive swim including team lockers and dryland training, as well as separate community use lockers, wet classrooms, lifeguard / first aide, pool offices, equipment storage, and event management

operations. This option also envisions additional patron facilities and spaces as part of a second (upper) level including an area for spectator seating, dry-land training, concessions and dry-side public restrooms to support events including NCAA competition and community swim events.

PHASE 2 – BLOUNT RECREATION CENTER

With the development option of constructing a new regional aquatics center at the Blount Recreation Fields properties, the master plan proposes a future phase 2 option for this site to include construction of a new satellite recreation facility as a partner to the aquatics center. The vision for a new recreation facility at Blount proposes a mixed-use facility located on the south side of campus in closer proximity to students living at College Hill along with intramural sports and open play use of the Blount Outdoor Fields.



This facility provides much needed indoor recreation space to accommodate existing demand and deficiencies for total indoor recreation space not currently being met by ECU Recreation & Wellness facilities, while providing additional opportunities to support growing demand for new programs serving recreation, wellness, academics and community. Per the supporting NIRSA benchmarking and programming assessment completed with this study, specific recreation / wellness spaces with a new satellite facility are expected to include four gym courts, multipurpose court space, a fitness center with weight training and cardio areas, group exercise studios, functional fitness space, personal training studio and specialized studios serving sports clubs. The location of the Blount Recreation Center also provides a great

opportunity to relocate and expand outdoor recreation program services with a new indoor climbing wall, outdoor adventure center and outdoor equipment storage with direct access to fields, wooded landscape and greenway trail connection.

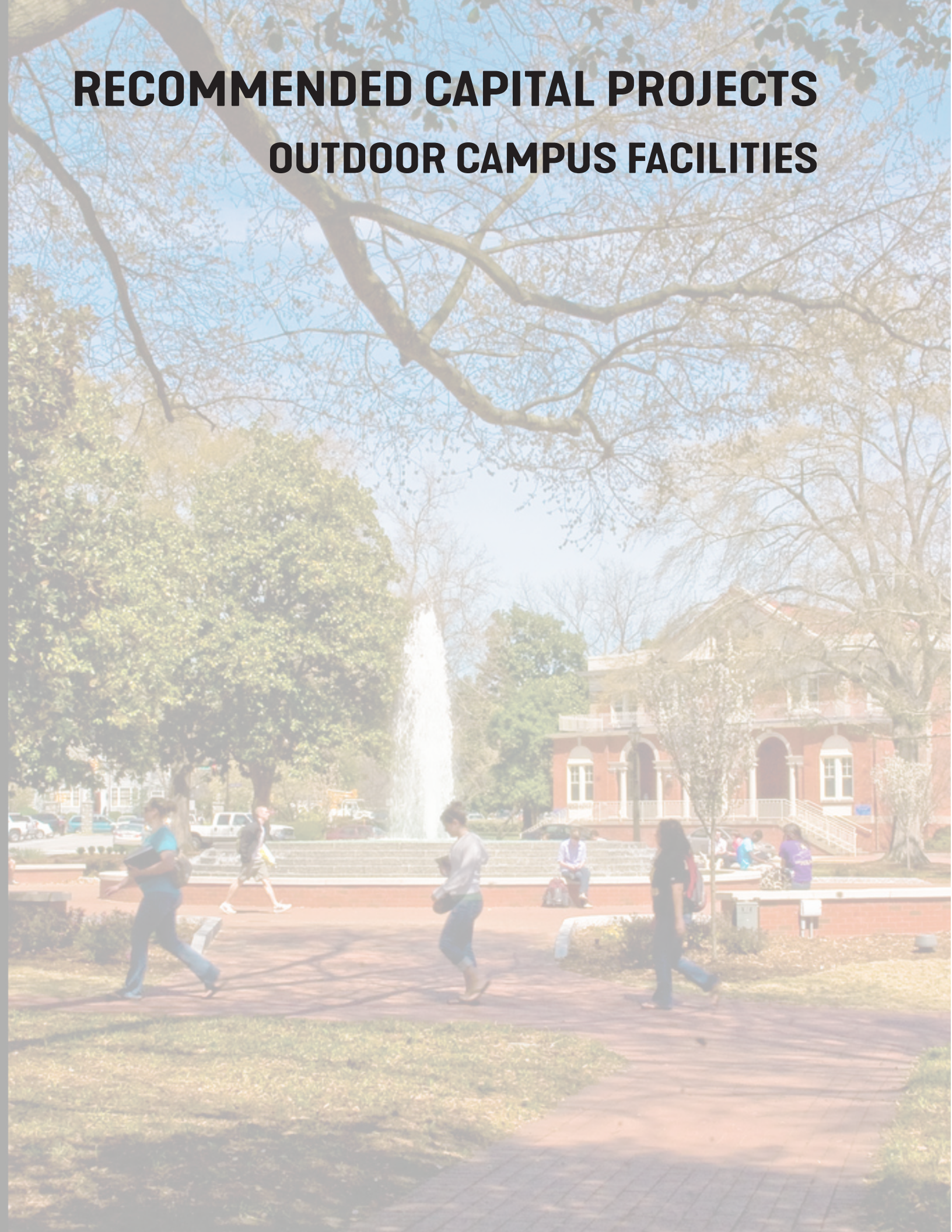
Blount Recreation Center will include a mix of program space serving campus and community, including academic / teaching rooms, wellness center, offices, study lounge and flexible community spaces. While the vision for this facility includes a recreation center that is physically connected with the regional aquatics center, the Recreation Center will have a separate entrance for flexible operation, security and control when the aquatic center is being utilized for public swim events and competition.



FUTURE INDOOR POOL AND REGIONAL AQUATIC CENTER

RECOMMENDED CAPITAL PROJECTS

OUTDOOR CAMPUS FACILITIES



BLOUNT RECREATIONAL SPORTS COMPLEX



ECU SOUTH CAMPUS

Blount Recreational Sports Complex (Blount) is a 12-acre outdoor field complex on the south side of campus. The fields are currently natural grass and lighted. The complex is served by a 2,500 sf support building with restrooms, office space and storage. Blount is the primary location for intramural softball and ultimate frisbee. This complex is conveniently located close to campus and accessible by transit and regional greenway trail.

There are drainage issues with the existing grass fields. The location of the light poles is problematic with respect to offering other activities such as soccer and rugby. Vehicle parking at Blount is limited. Permit parking is currently available at nearby lots that require a pass during the day. This parking is also used by athletics on football game days. No other parking is currently available.

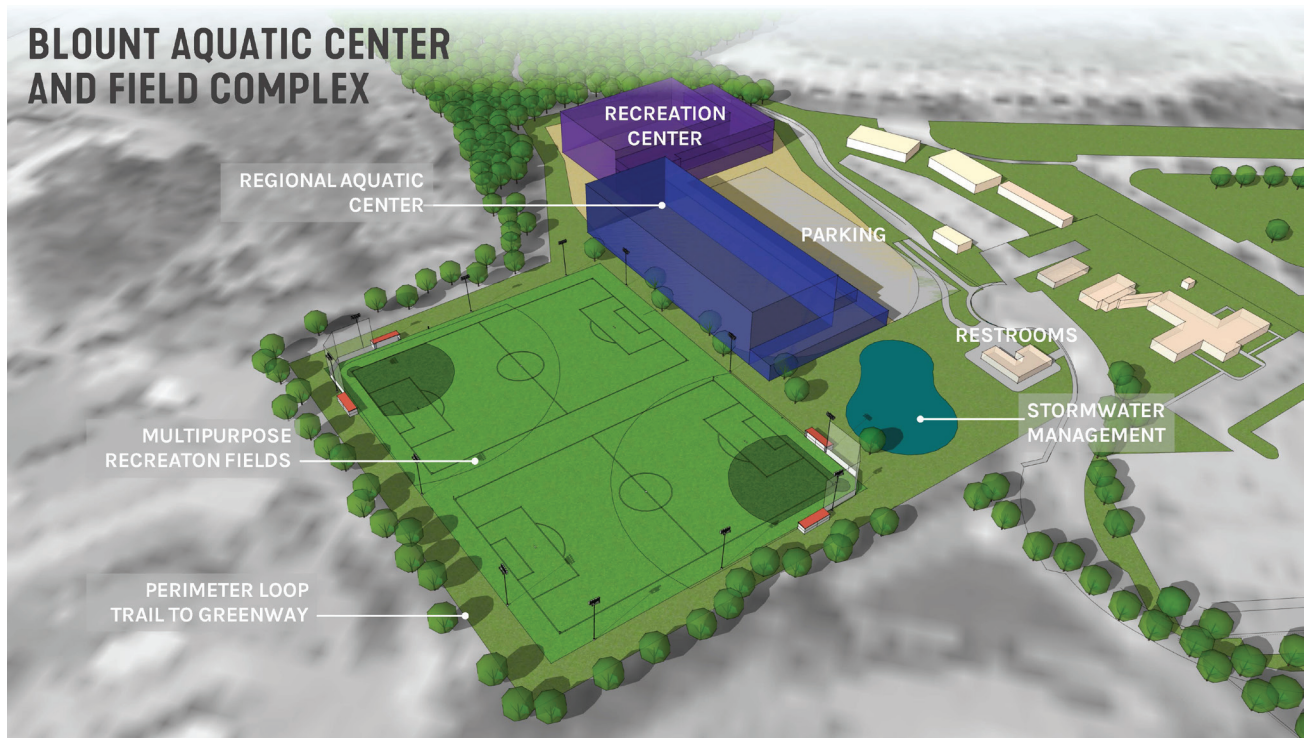
There are two redevelopment options for the Blount master plan.

REDEVELOPMENT OPTION A (SEE PAGE 44)

This proposed development option will maximize field usage for recreation intramural teams and open play by providing an expanse of synthetic turf to accommodate multiple sports including soccer, softball, lacrosse and rugby. Lighting will be updated to LED fixtures and pole locations will be moved to offer greater flexibility for field games and events. Since club baseball currently rents an off-campus facility, Blount has space for an on-campus baseball field.

The existing support building will continue to provide restrooms, storage and supervisor space. Additionally, shade shelters in the vicinity of the fields will be provided.

BLOUNT RECREATIONAL SPORTS COMPLEX



A 1.3 mile trail loop surrounding the complex will connect to the Green Mill Run Greenway, which links the complex to the main campus and the community. A parking operational strategy that allows for students to utilize the existing parking in the vicinity of the complex with minimal impact to staff parking should be developed in cooperation with Campus Parking.

REDEVELOPMENT OPTION B (SEE PAGE 45)

This proposed development option includes an expanded recreation complex serving both indoor and outdoor recreation programs along with a broader demographic of users. Blount would become the site for an aquatics facility to serve campus recreation, competitive swim clubs and community swim. A phased addition would include a satellite Student Recreation and Wellness Center. Both facilities will be operated by ECU Recreation with programs/spaces available to the community. (see previous section, pgs 34-40)

The upgraded outdoor fields will include space for two multi-purpose synthetic turf fields to accommodate intramural sports including soccer, softball, lacrosse and rugby. Lighting will be updated to LED fixtures and pole locations will be moved to offer greater flexibility for field games and events.

The existing support building will continue to provide restrooms, storage and supervisor space. Additionally, shade shelters in the vicinity of the fields will be provided.

A 1.3 mile trail loop surrounding the complex will connect to the Green Mill Run Greenway, which links the complex to the main campus and the community. A parking operational strategy that allows for students to utilize the existing parking in the vicinity of the complex with minimal impact staff patrons should be developed in cooperation with Campus Parking.

BLOUNT RECREATIONAL SPORTS COMPLEX

OPTION A



BUILDING INITIATIVES

- 1 Existing Restroom
- 2 Fabric Shade Shelter

CIRCULATION INITIATIVES

- 1 1.3 Mile Loop Trail
- 2 Green Mill Greenway
- 3 Dropoff and Parking

OPEN SPACE INITIATIVES

- 1 Soccer (Synthetic Turf)
- 2 Softball (Synthetic Turf)
- 3 Baseball (Synthetic Surf)
- 4 Stormwater Management
- 5 Disc Golf 9 Holes
- 6 Tennis Courts
- 7 Sand Volleyball

BLOUNT RECREATIONAL SPORTS COMPLEX

OPTION B



BUILDING INITIATIVES

- 1 Existing Restroom
- 2 Fabric Shade Shelter

CIRCULATION INITIATIVES

- 1 1.3 Mile Loop Trail
- 2 Green Mill Greenway
- 3 Dropoff and Parking

OPEN SPACE INITIATIVES

- 1 Soccer (Synthetic Turf)
- 2 Softball (Synthetic Turf)
- 3 Stormwater Management
- 4 Baseball (Synthetic Turf)
- 5 Disc Golf 9 Holes

NORTH RECREATION COMPLEX



The North Recreational Complex (NRC) is a 129-acre complex located approximately 6 miles northwest of campus. This facility is accessed by vehicles or bicycles although there are no designated bike routes in the vicinity. The NRC is the primary location for club sports and is used by other University and non-University organizations for hosting regional soccer, rugby and disc golf tournaments.








The NRC includes four natural grass rugby fields that can accommodate soccer, four natural grass soccer fields, a 19-hole disc golf course, high and low ropes courses, 5K jogging path, fitness stations, a small lake (non-swimming) with adjoining beach and non-regulation sand volleyball courts, a 3,000 SF boat house and a 2,500 SF field support building with restrooms and storage. There is a 2,000 SF facility on site with full time staff for maintenance purposes.

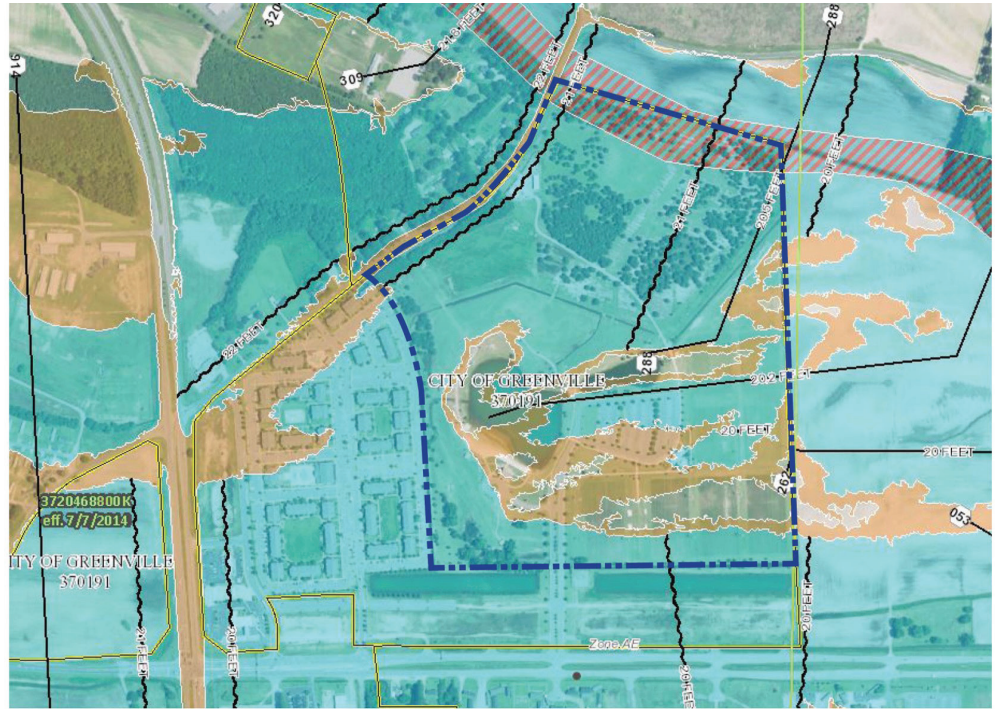
Between the NRC and Highway 264 are two parcels currently non-University owned. These parcels are often used for overflow parking during tournaments.

The majority of the NRC is within a 100-year floodplain (See adjacent page). Future development will require compliance with local, county and federal requirements.

A significant portion of the NRC remains available for expanded recreation facilities. There is a strong desire to add at least four additional soccer fields to be able to host larger University-sanctioned and locally-sanctioned tournaments. These tournaments bring teams and visitors to Greenville that support local restaurants, hotels and other businesses. To improve tournament operations, the existing outdoor pavilion adjacent to the support building will be converted to an indoor meeting space. Additional shade structures will be placed throughout the complex.

LEGEND

	1% ANNUAL CHANCE FLOOD HAZARD
	REGULARLY FLOODWAY
	SPECIAL FLOODWAY
	AREA OF UNDETERMINED FLOOD HAZARD
	0.2% ANNUAL CHANCE FLOOD HAZARD
	FUTURE CONDITIONS 1% ANNUAL CHANCE FLOOD HAZARD
	AREA WITH REDUCED RISK DUE TO LEVEE



NRC FLOOD OVERLAY MAP



NRC EXISTING LAKE AND TRAIL

The new soccer fields will also accommodate softball as an overlay use. It is recommended that two of the existing rugby/soccer fields be converted to synthetic turf, with additional spectator seating and scoreboards, for tournament championship events. Updated field lighting with LED fixtures and pole locations will offer greater flexibility for games and events.

With the proposed addition of four fields and associated access drives and parking, reconfiguration of a portion of the existing disc golf course and the 5K jogging path will be required.

Other amenities include a playground for families to use during tournaments, designated space for food trucks, enhanced fitness equipment, designated areas for hammocking, a dock for launching kayaks and canoes and a fishing pier. The existing boat house will be expanded for additional indoor storage.

Longer term, an indoor field house is recommended to provide year-round activities including sporting events, fitness equipment, performance training, camps and meeting space.



NRC EXISTING FIELD HOUSE



NRC EXISTING ROPES COURSE



NRC EXISTING PAVILION

NORTH RECREATION COMPLEX



BUILDING INITIATIVES

- 1 Pavilion Meeting Space
- 2 Future Field-House
- 3 Fabric Shade Shelter
- 4 Boathouse w/ Additional Storage
- 5 Maintenance Facility

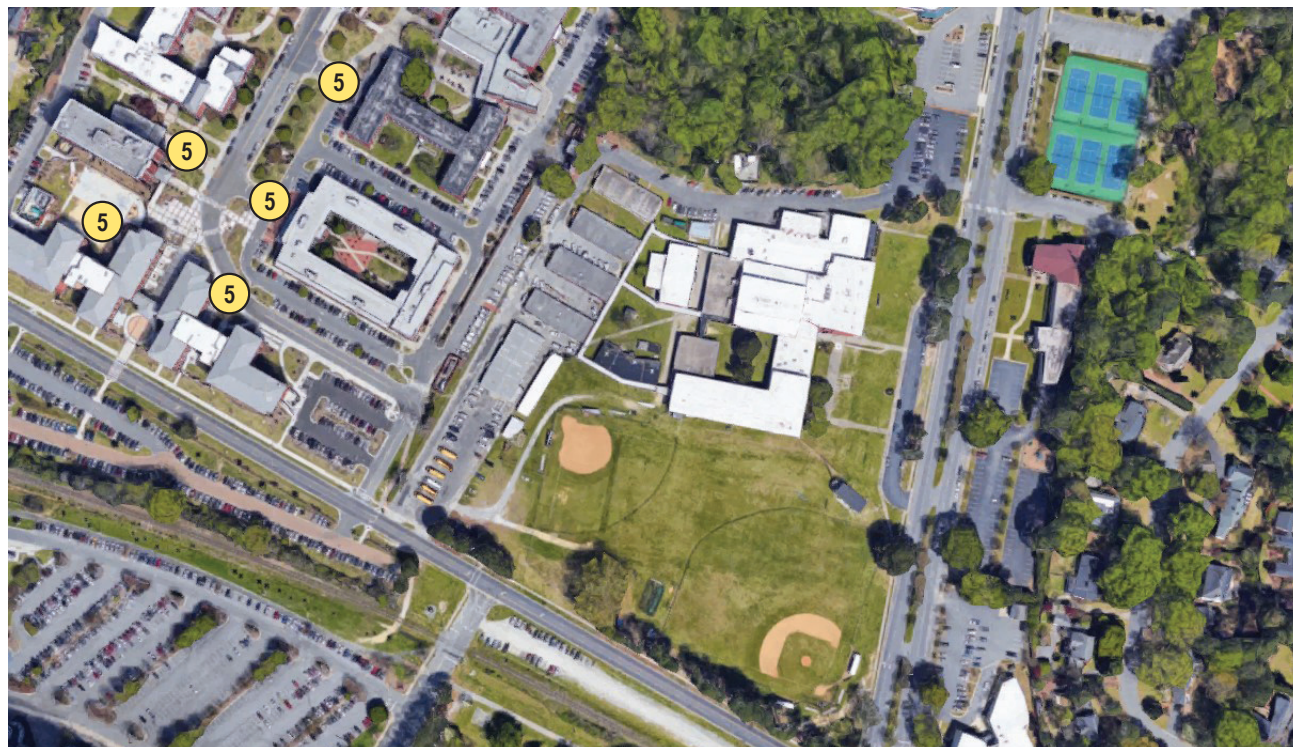
CIRCULATION INITIATIVES

- 1 5k Trail Loop
- 2 Parking
- 3 Primary Entry
- 4 Secondary Entry / Exit
- 5 Overflow Parking

OPEN SPACE INITIATIVES

- 1A Rugby/Soccer (Synthetic Turf)
- 1B Rugby/Soccer
- 2 Soccer
- 3 Softball
- 4 Stormwater Management
- 5 Disc-Golf 18 Holes
- 6 Lake
- 7 Pond
- 8 Beach
- 9 Fitness Station
- 10 High Ropes Course
- 11 Low Ropes Course
- 12 Pier
- 13 Playground
- 14 Sand Volleyball
- 15 Tennis Courts

EPPES MIDDLE SCHOOL FIELD



EPPES MIDDLE SCHOOL FIELD

Eppes Middle School is located on 14th Street in the College Hill District, conveniently located near ECU residence halls. The school is also near the ECU Band Practice Field. Eppes is a former high school and consequently has existing baseball and softball fields with a support and restroom building.

The current band practice field is inadequate due to size, drainage issues and lack of lighting. There is a need for additional outdoor recreation fields within walking distance of residence halls. The middle school would benefit from enhanced outdoor athletic facilities.

The Master Plan recommends upgrading the outdoor fields at Eppes Middle School to an all-synthetic turf surface with field lighting (See adjacent page). This configuration will accommodate baseball and softball with an overlay of football for band practice, and an overlay of two soccer fields for intramural and student drop-in use. Since Eppes will remain a middle school, field scheduling will have to be coordinated between all user groups. Preliminary discussions have indicated a strong willingness to coordinate since the improvement benefits will outweigh other factors.

Besides field lighting, other recommended amenities include a permanent band observation tower and a band equipment storage building.



BUILDING INITIATIVES

- 1 Existing restroom building
- 2 Band Tower
- 3 Band Storage
- 4 Existing Batting Cage
- 5 ECU Residence Halls (See right hand side)

CIRCULATION INITIATIVES

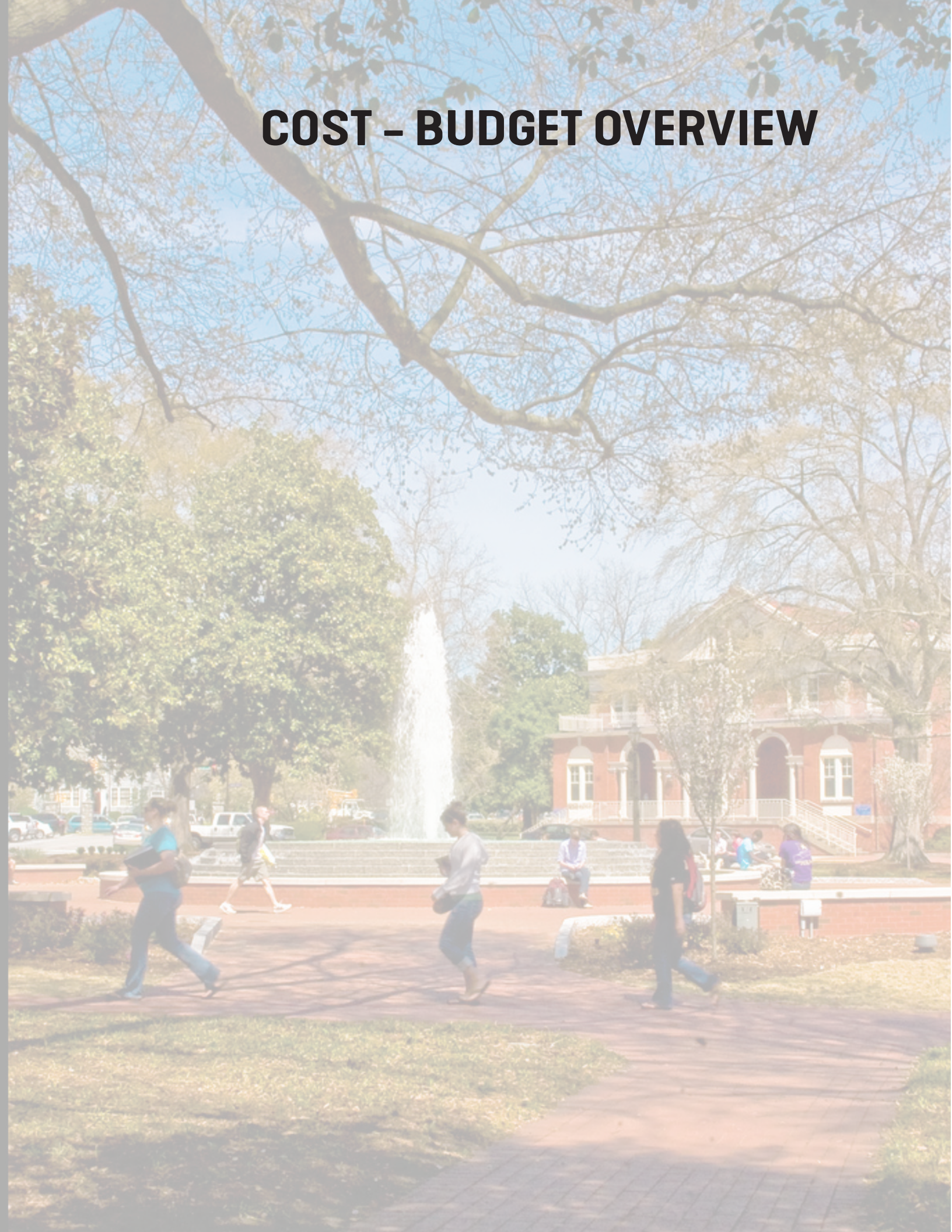
- 1 Parking

OPEN SPACE INITIATIVES

- 1 Softball (Synthetic Turf)
- 2 Football (Synthetic Turf)
- 3 Soccer (Synthetic Turf)
- 4 Baseball (Synthetic Turf)

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COST - BUDGET OVERVIEW



COST – BUDGET OVERVIEW

The cost estimates shown below are based on 2020 pre-pandemic dollars taking into account both local and national construction cost data. The estimates do not include escalation; however, we believe an escalation of three (3) to five (5) percent year-over-year is an appropriate approach to figuring in short-term changes in the construction market. One unknown that remains is the effect of the current coronavirus pandemic on pricing over the course of the next six to eighteen months. Based on changes over that period, costs should be adjusted accordingly.

PROJECTS AND CATEGORY	BUDGET
MAIN CAMPUS	
STUDENT HEALTH, COUNSELING AND DEAN OF STUDENTS	
Option A: Student Health, Counseling and Dean of Students	\$43.45M - \$45.62M
<ul style="list-style-type: none"> 81,660 GSF of new construction on property along east 10th Street and adjacent to ECU Student Center 	
Option B: New Building for Counseling and Dean of Students + SHC Addition / Renovation	\$33.80M - \$35.48M
<ul style="list-style-type: none"> 42,262 GSF of new construction on property along east 10th Street and adjacent to ECU Student Center 10,500 GSF of new construction as Addition to existing Student Health Center 10,000 GSF of Renovation to existing Student Health Center 	
STUDENT RECREATION AND WELLNESS	
Option A: Eakin Student Recreation Center (ESRC) Expansion "Recreation + Aquatics"	\$128.79M - \$135.23M
<ul style="list-style-type: none"> 86,755 gsf of new construction for Recreation & Fitness Addition 70,898 gsf of new construction for indoor Aquatics / Natatorium Addition 100,631 sf of Renovation to existing 	
Option B: Eakin Student Recreation Center (ESRC) Expansion "Recreation only"	\$103.73M - \$108.92M
<ul style="list-style-type: none"> 140,516 gsf of new construction for Recreation & Fitness Addition 100,631 sf of Renovation to existing 	
BLOUNT RECREATIONAL SPORTS COMPLEX	
STUDENT RECREATION AND WELLNESS	
Aquatics Center at Blount Complex - Phase 1	\$82.24M - \$86.35M
<ul style="list-style-type: none"> 115,181 gsf new indoor aquatics center and parking at existing Blount property Joint use community facility with multiple indoor pools for aquatic fitness, training & competition 	
Recreation & Wellness Center at Blount Complex - Phase 2	\$58.52M - \$61.45M
<ul style="list-style-type: none"> 117,807 gsf new satellite recreation center and parking at existing Blount property 	
OUTDOOR RECREATION FIELDS AND ASSOCIATED FACILITIES	
Blount Recreation Sports Field Complex	
New Soccer Field - synthetic turf (stormwater management at-grade basin)	\$1.25-1.35M
New Natural Grass Baseball Field - irrigated (stormwater management at-grade basin)	\$1.5 - \$1.65M
New Field Backstops, Dugouts and Fencing	\$150,000 - \$165,000
Field Lighting - Soccer	\$250,000 per field
Field Lighting - Baseball	\$300,000 per field
Parking at Grade - asphalt surface (stormwater management at-grade basin)	\$4,000 per space
Walking Trail - asphalt surface, 1.3 mile trail x 10-foot width	\$340,000 - \$370,000

COST – BUDGET OVERVIEW

Eppes Middle School Field Complex	
New Band Field - synthetic turf (stormwater management beneath the field)	\$1M-\$1.2M
New Softball Field - synthetic turf (stormwater management beneath the field)	\$1M-\$1.2M
New Baseball Field - synthetic turf (stormwater management beneath the field)	\$1.5 - \$1.65M
New Field Backstops, Dugouts and Netting	\$150,000 - \$165,000
Field Lighting	\$250,000 - \$300,000
Eppes Field Band Tower	\$250,000
Eppes Band Storage Facility	\$200,000
Shade Shelter - Fabric	\$75,000 each

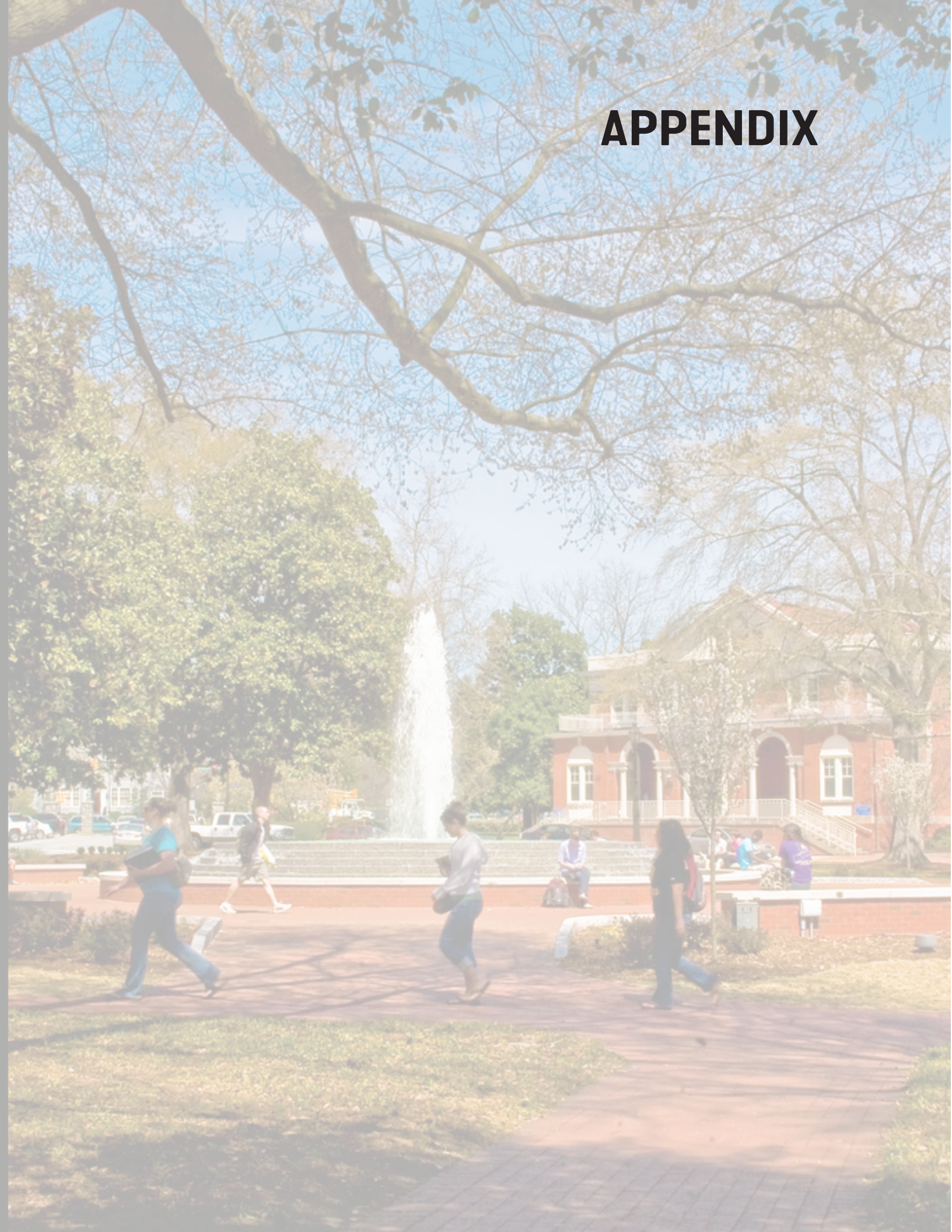
North Recreation Complex	
New Rugby Field - synthetic turf (no stormwater management)	\$850,000 - \$900,000
New Soccer Field - natural grass, irrigated turf (stormwater management at-grade basin)	\$500,000 - \$550,000
New Spectator Seating - permanent	\$250./ person
Field Lighting - Rugby / Soccer	\$250,000 per field
Parking at Grade - asphalt surface (stormwater management at-grade basin)	\$4,000 per space
Walking Trail - asphalt surface, 5K trail loop x 10-foot width	\$845,000 - \$930,000
NRC Field House (program for fields has not be defined as part of this master plan)	TBD

QUALIFICATIONS	BUDGET
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- 1 Under the current volatile market conditions, construction costs may experience significant fluctuations between now and time of actual project implementation. Project budgets for each component project and site should be evaluated further based on more developed design study and discussions with University for future budget planning and funding discussions.
- 2 Project budget estimates are based on preliminary program scope and concepts explored as part of this master plan study. Budget estimates include preliminary assumptions for project hard construction costs and soft costs, including standard contractor markups and fees based on national benchmarking for similar facilities at time of Master Plan.

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APPENDIX



STUDENT HEALTH FACILITY COMPARISON- BENCHMARKING



INSTITUTION		ECU EXISTING	
EAST CAROLINA UNIVERSITY		STUDENT HEALTH CENTER	
GREENVILLE, NC		GREENVILLE, NC	
ENROLLMENT (FTE)		22,087	
HEALTH STAFF		RATIO PER 10,000	QUANTITY
TOTAL FTE STAFF		10.9	24
DOCTORS		2.3	5
PHYSICIANS ASSISTANT		0.5	1
NURSE PRACTITIONER		2.7	6
NURSES		5.0	11
NURSE ASSISTANT		0.0	0
OTHER HEALTH CARE PROVIDERS		0.5	1
ADMINISTRATIVE STAFF		0.0	0
GRADUATE ASSISTANTS		0.0	0
STUDENT WORKERS		0.0	0
PHARMACY STAFF		0.0	0
HEALTH FACILITIES		QTY	SF
TOTAL SQUARE FEET			17,064
AGE OF FACILITY			
EXAM ROOMS		30	2,975
CLINICIAN OFFICES		1	2,840
X-RAY FACILITIES & SUPPORT		4	131
PHARMACY		4	819
LAB FACILITIES		2	471
HEALTH SPECIALTIES		HEALTH SPECIALTIES	
LAB SERVICES		YES	
PHARMACY		YES	
DENTAL		NO	
VISION		NO	
ALLERGY CLINIC		YES	
SPORTS MEDICINE		PART OF REHAB/PT	
REHABILITATION SERVICES/ PT		YES	
WOMEN'S CLINIC		PART OF TYPICAL SERVICES	
MEN'S CLINIC			
DIETITIAN/NUTRITION SERVICES		YES	
HEALTH PROMOTION			
OTHER		YES: LGBTQ+ HEALTH, PERSONAL SAFETY/ SEXUAL ASSAULT, REPRODUCTIVE/SEXUAL HEALTH	
OPERATIONS		OPERATIONS	
HOURS OF OPERATION		M, T, TH, F: 8A TO 5P; W: 9AM TO 5PM; SAT: 9-11:30AM (URGENT ISSUES ONLY)	
STUDENT HEALTH INSURANCE REQUIRED?		YES	
FEES		YES, DUE ON DAY OF SERVICE	
SHARED FACILITY		NO	
SEPARATE ENTRANCES		N/A	
SERVICES FOR FACULTY/STAFF?		YES	

SELECTED PEER INSTITUTIONS

STUDENT HEALTH CENTER		DUKE STUDENT WELLNESS CENTER		CENTER FOR HEALTH AND WELL-BEING		STUDENT HEALTH CENTER	
RALEIGH, NC		DURHAM, NC		COLUMBIA, SC		CHARLOTTE, NC	
28,368		15,700		31,270		23,589	
RATIO PER 10,000	QUANTITY	RATIO PER 10,000	QUANTITY	RATIO PER 10,000	QUANTITY	RATIO PER 10,000	QUANTITY
11.3	32	28.0	44	26.2	82	25.0	59
1.4	4	3.8	6	2.9	9	2.1	5
0.4	1	0.0	0	2.6	8	0.8	2
3.5	10	3.2	5	0.0	0	0.8	2
0.0	0	9.6	15	2.2	7	4.7	11
0.0	0	1.3	2	3.8	12	0.4	1
3.2	9	3.2	5	10.9	34	7.6	18
1.1	3	7.0	11	2.6	8	6.4	15
0.0	0	0.0	0	0.0	0	0.0	0
0.0	0	0.0	0	1.3	4	0.0	0
1.8	5	0.0	0	0.0	0	2.1	5
QTY	SF	QTY	SF	QTY	SF	QTY	SF
	42,903		22,000		68,000		DATA UNAVAILABLE
1999		2017		DATA UNAVAILABLE		DATA UNAVAILABLE	
		22	2,750	52		25	
		6	825			13	1,675
		1		1		4	300
		1		1		1	452
				1		1	471
HEALTH SPECIALTIES		HEALTH SPECIALTIES		HEALTH SPECIALTIES		HEALTH SPECIALTIES	
	YES		YES, NOT OVERSEEN BY HEALTH		YES		YES
	YES						YES
			YES		YES		YES
			YES, MD COMES 2 HALF-DAYS/WEEK		YES		
	YES		PT CLINIC, NOT OVERSEEN BY HEALTH		YES		YES
	YES		PART OF TYPICAL SERVICES		YES		
	YES		YES, 2 STAFF MEMBERS		YES		YES
			YES, DUWELL; 3 STAFF MEMBERS				YES
					LGBTQ HEALTH, INTERPERSONAL VIOLENCE SUPPORT		
ORTHOPAEDICS, GASTROENTEROLOGY							
OPERATIONS		OPERATIONS		OPERATIONS		OPERATIONS	
M, W, TH, F: 8A TO 5P; T: 9A TO 5P; SAT: 9A TO 12P		M, W, F: 8A TO 5P; T: 8A TO 7P; TH: 9A TO 5P		M, T, W, TH: 8A TO 6P; F: 9A TO 5P; SUN: 2 TO 8P		M-F; 8A TO 5P; EVENINGS BY APPT	
YES		YES		YES		YES, \$1,313.50 PER 6 MONTHS	
		YES, X-RAY AND IMAGING, PRESCRIPTION MEDS NOT COVERED BY HEALTH FEE				FREE; 12 APPOINTMENT MAX	
NO		YES		YES		NO	
N/A		NO		NO		YES	
				YES			

COUNSELING FACILITY COMPARISON- BENCHMARKING

COUNSELING FACILITY COMPARISON



INSTITUTION		ECU EXISTING	
EAST CAROLINA UNIVERSITY		UMSTEAD HALL	
GREENVILLE, NC		GREENVILLE, NC	
ENROLLMENT (FTE)		22,087	
COUNSELING STAFF		RATIO PER 10,000	QUANTITY
TOTAL FTE STAFF		14.7	33
CLINICAL STAFF: PSYCHOLOGIST, COUNSELORS, SOCIAL WORKERS		8.6	19
CASE MANAGER		0.8	2
NURSES		0.0	0
MASTERS/PHD INTERNS		0.9	2
ADMINISTRATIVE STAFF		1.2	3
STUDENT STAFF		1.8	4
OTHER		1.4	3
VISITS: ACADEMIC YEAR 2018-19		PER 1,000	TOTAL
TOTAL APPOINTMENTS			
GROUP SESSIONS			
GROUP CONTACTS			
PSYCHIATRIC APPOINTMENTS			
UNIQUE STUDENT VISITS			1,625
COUNSELING FACILITIES		QTY	SF
TOTAL SQUARE FEET			5931ASF
AGE OF FACILITY (YRS)		1955, RENOVATED	1993
COUNSELING OFFICES		23	4,017
GROUP ROOMS		1	174
THERAPY ROOMS		1	176
OPERATIONS		OPERATIONS	
HOURS OF OPERATION		M-F: 8A TO 5P	
STUDENT HEALTH INSURANCE REQUIRED?		YES	
FEES		FREE WITH PAID STUDENT FEES	
SHARED FACILITY		YES	
SEPARATE ENTRANCES		YES	
SERVICES FOR FACULTY/STAFF?		YES	
NO-SHOW POLICY		\$25 FEE PER NO-SHOW	



SELECTED PEER INSTITUTIONS

STUDENT HEALTH CENTER		DUKE STUDENT WELLNESS CENTER		CENTER FOR HEALTH AND WELL-BEING		CHRISTINE F. PRICE CENTER FOR COUNSELING AND PSYCHOLOGICAL SERVICES	
RALEIGH, NC 28,368		DURHAM, NC 15,700		COLUMBIA, SC 31,270		CHARLOTTE, NC 23,589	
RATIO PER 10,000	QUANTITY	RATIO PER 10,000	QUANTITY	RATIO PER 10,000	QUANTITY	RATIO PER 10,000	QUANTITY
22.2	63	21.0	33	14.1	44	14.4	34
11.3	32	12.1	19	8.0	25	7.6	18
0.7	2	0.6	1	0.6	2	0.0	0
0.0	0	0.0	0	0.0	0	0.0	0
5.6	16	4.5	7	2.2	7	4.7	11
1.8	5	2.5	4	1.6	5	1.7	4
1.4	4	0.0	0	0.0	0	0.0	0
1.4	4	1.3	2	1.6	5	0.4	1
PER 1,000	TOTAL	PER 1,000	TOTAL	PER 1,000	TOTAL	PER 1,000	TOTAL
1,436	40,734			2,626	74,500	435	10,258
41	1,177			2	56	8	181
172	4,879	DATA UNAVAILABLE		24	668	7	154
132	3,732			57	1,612	0	0
211	5,980			627	17,781	112	2,649
QTY	SF	QTY	SF	QTY	SF	QTY	SF
	42,903		22,000		36,000		
		2017				2017	
		30	4,500			20	
		4	2,200			4	
		0	N/A			5	
OPERATIONS	OPERATIONS	OPERATIONS	OPERATIONS				
M-F: 8A TO 5PM	M, W, TH, F: 8A TO 5P; T: 8A TO 7P	M-TH: 8A TO 6P; F: 9A TO 5P; SUN: 2 TO 8P	M-F; 8A TO 5P; EVENINGS BY APPT				
YES	YES	YES	YES, \$1,313.50 PER 6 MONTHS FREE; 12 APPOINTMENT MAX				
FREE WITH PAID STUDENT FEES			NO				
YES	YES	YES	YES				
NO	YES						
			NO FEE; LOSE ELIGIBILITY FOR SERVICES AFTER TWO NO-SHOWS				

USC'S TOTAL APPOINTMENT AND UNIQUE STUDENT NUMBERS INCLUDE BOTH HEALTH AND COUNSELING; PSYCHIATRIC APPOINTMENTS ARE AT HEALTH CENTER

PSYCHIATRIC SERVICES PROVIDED BY STUDENT HEALTH

ENROLLMENT AND TUITION- BENCHMARKING

Student Health Center

Institution	Location	Enrollment	Tuition / sem	Fees / sem	Room & Board (on campus) / semester	Associated Fees (included in fees)	Tuition + Fees
East Carolina University	Greenville, NC	22,087	\$ 4,515.00	\$ 944.25	\$ 5,566.00		\$ 5,459.25
NC State University	Raleigh, NC	28,368	\$ 5,019.00	\$ 510.50	\$ 4,972.00	\$ 275.00	\$ 5,529.50
Duke University	Durham, NC	15,700	\$ 4,467.00	\$ 1,589.20	\$ 4,373.00		\$ 6,056.20
University of South Carolina	Columbia, SC	31,270	\$ 5,731.00	\$ 1,183.74	\$ 6,238.00		\$ 6,914.74
UNC Charlotte	Charlotte, NC	23,589	\$ 5,205.00	\$ 436.20	\$ 5,732.00		\$ 5,641.20
UCLA	Los Angeles, CA	44,202	\$ 3,814.00	\$ 1,445.82	\$ 16,625.00		\$ 5,259.82
UNC Charlotte	Charlotte, NC	23,589	\$ 5,205.00	\$ 436.20	\$ 5,732.00		\$ 5,641.20

Resident, 15 hours -
does not include COF
stipend

Assuming double
room suite and max
meal plan)

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NIRSA SPACE STANDARDS FOR CAMPUS RECREATION SPORTS FACILITIES

NIRSA SPACE STANDARDS for CAMPUS			
		Institution Category	Current FTE
	Facility Type Classification	Very Large	Fall 2019
	Enrollment	Over 20,000	21,752
1	INDOOR RECREATION FACILITIES		
	Total Indoor Recreation Space (<i>sf per 1,000 students</i>)	8,960	197,900
	Basketball Courts (<i># per 1,000</i>)	0.30	7
	Locker Room Space - Men (<i>sf per 1,000</i>)	157	3,468
	Locker Room Space - Women (<i>sf per 1,000</i>)	137	3,026
	Racquetball / Handball Courts (<i># per 1,000</i>)	0.27	6
	Squash Courts (<i># per 1,000</i>)	0.05	1
	Table Tennis Tables (<i># per 1,000</i>)	0.15	3
	Swimming Pools (<i># lap lanes per 1,000 students</i>)	0.54	12
2	INDOOR FITNESS FACILITIES		
	Total Fitness Equipment Space (<i>sf per 1,000 students</i>)	1,008	22,264
	Cardio Equipment Space (<i>sf per 1,000</i>)	364	8,040
	Strength Equipment Space (<i>sf per 1,000</i>)	280	6,184
	Free Weight Equipment Space (<i>sf per 1,000</i>)	280	6,184
	Group Exercise Space (<i>sf per 1,000</i>)	332	7,333
	Group Indoor Cycling Space (<i>sf per 1,000</i>)	46	1,016
	Multiuse Space (<i>sf per 1,000</i>)	271	5,986
	Stretching & Core Exercise Space (<i>sf per 1,000</i>)	42	928

Notes:

- 1 Space criteria listed above is based on current edition of NIRSA Space Planning Guidelines for Campus Recreational Sports
- 2 Institution Category classification and ratios per 1,000 students are based on Current NIRSA benchmarking guidelines for very large institutions
- 3 Calculated Need is a guideline based on national averages only and does not take into consideration Peer Institution Benchmarks
- 4 Calculated Need numbers have been rounded to the nearest whole number. Space allocation represent Net Assignable Square Feet

RECREATION SPORT FACILITIES

Total Enrollment	ECU	Ratio	Calculated Need
Fall 2019	Existing Facilities	Existing Facilities	Difference
28,651		(per 1000 students)	Current vs Existing
256,713	147,696	6,687	109,017
9	7	0.32	2
4,498	2,501	113	1,997
3,925	2,771	125	1,154
8	4	0.18	4
1	0		1
4	0		4
15	12	0.54	3
28,880	22,665	1,026	6,215
10,429	4,023	182	6,406
8,022	8,033	364	(10)
8,022	8,033	364	(10)
9,512	8,908	403	604
1,318	800	36	518
7,764	834	38	6,930
1,203	2,577	117	(1,374)

Facilities and date collected from 2006 College Recreational Sports Facility Inventory.

only large universities with enrollment over 20,000 students.

making or localized user demand specific to each university.

square Feet (ASF) for each program space listed.

INDOOR RECREATION PEER FACILITY COMPARISON

Institution	Enrollment	Total Indoor Recreation Space (SF)	Fitness Equipment Space (SF)	Basketball / Volleyball
ECU Indoor Recreation (Existing Program)	28,651	147,696 5.16	22,073 0.77	7
CU - Denver	10,911	55,492 5.09	9,800 0.90	2
Towson Burdick Hall	18,385	128,370 6.98	23,387 1.27	3
James Madison UREC	19,683	278,525 14.15	25,000 1.27	8
Auburn Recreation & Wellness	25,806	173,625 6.73	21,100 0.82	6
LSU UREC	26,686	177,382 6.65	39,250 1.47	8
Texas A&M Recreation Center	55,492	400,000 7.21	32,000 0.58	8
AVERAGE	26,161	202,232 7.73	25,090 0.96	6

Indoor Courts					
Multi Activity (MAC)	Racquetball Courts	Group Exercise / Fitness Space	Functional Fitness Space	Indoor Track	Indoor Pool
0	3	8,908 0.31	2,575	0.165 mile	12 lanes x 25 yd
1	0	3,500 0.32	N/A	N/A	6 lanes x 25yd
2	0	3,684 0.20	6,140	N/A	8 lanes x 25yd
2	7	5,800 0.29	N/A	1/5 mile	8 lanes x 25 yd 2 pools
2	3	4,100 0.16	2,500	1/3 mile	Outdoor Leisure Pool & Spa
2	9	7,750 0.29	3,250	1/3 mile	16 lanes x 25 yd 4 pools
2	14	N/A	N/A	1/4 mile	24 lanes x 25 yd 4 pools
2	6	4,967 0.19	3,963	1/4 mile, 3 lane	12 lanes x 25 yd

AQUATICS PEER FACILITY COMPARISON

INSTITUTION	AQUATIC FACILITY	NUMBER OF POOLS	INDOOR POOL FACILITY	
			TYPE	# OF LAP LANES
EAST CAROLINA UNIVERSITY	EAKIN STUDENT RECREATION CENTER	1	RECREATION POOL	12
	MINGES NATATORIUM	2	COMPETITION POOL	8
			DIVE POOL	6
GEORGIA TECH UNIVERSITY	VERNON D. AND HELEN D. CRAWFORD POOL	2	RECREATION POOL	6
	MCAULEY AQUATIC CENTER	3	50M COMPETITION	10 OR 16
			DIVE POOL + HOT TUB	
GREENSBORO COLISEUM COMPLEX	GREENSBORO AQUATIC CENTER	4	TEACHING POOL	8
			50M STRETCH COMPETITION	8 OR 22
			50M STRETCH PRACTICE POOL	8 OR 19
			DIVE POOL	
MIAMI UNIVERSITY OF OHIO	CORWIN M. NIXON AQUATIC CENTER	4	LEISURE POOL + SPA	
			50M COMPETITION POOL	8 OR 16
			DIVE POOL + HOT TUB	8
UNIVERSITY OF IOWA	UNIVERSITY OF IOWA RECREATION CENTER	4	RECREATION POOL	3
			50M COMPETITION	8 OR 16
			DIVE POOL + HOT TUB	
UNIVERSITY OF MISSOURI	MIZZOU AQUATIC CENTER	5	TIGER GROTTTO	0
			50M COMPETITION	8 OR 16
			DIVE POOL + HOT TUB	8

OUTDOOR POOL FACILITIES				
SIZE	TYPE	NO OF LAP LANES	SIZE	FEATURES
25 YARD	LEISURE	0	1,343 SF	
25 YARD				
20 YD				(2)1M & (2)3M SPRINGBOARDS; 1M PLATFORM BOARD
25-YARD				16-PERSON SPA POOL; WATER SLIDE, LAZY RIVER
52.5M X 25YD	N/A	N/A	N/A	(2) MOVABLE BULKHEADS 1 AND 3M SPRINGBOARDS; 1M, 3M, 5M 7.5M AND 10M PLATFORM BOARDS
46' X 25YD				
52.5M X 25 YD	N/A	N/A	N/A	(2) MOVABLE BULKHEADS
50M X 25M X 25YD				L-SHAPE DESIGN W/ MOVABLE BULKHEAD
25M				DEPTH: 17-FEET
52M X 25 YD	N/A	N/A	N/A	DEPTH: 10-FEET: MOVABLE BULKHEAD;
25YD X 18 YD				1M, 3M, 5M, 7M AND 10-METER PLATFORMS; 17-FT DEEP
20 YARD				DEPTH: ZERO TO 8-FEET; INCLUDES SPA, VORTEX, CURRENT CHANNEL, BOULDERING WALL, AND OPEN PLAY ACTIVITIES
52M X 25YD	N/A	N/A	N/A	MOVABLE BULKHEAD; 7 TO 9-FOOT DEPTH
25YD X 45'				DEPTH: 14 TO 17-FEET; 1 AND 3M SPRINGBOARDS; 1M, 3M, 5M 7.5M AND 10M PLATFORM BOARDS
	TRUMAN'S POND	0	N/A	ZERO-DEPTH ENTRY, VORTEX, CURRENT RIVER, WATER FALL, SPA TUBE AND SAUNA / STEAM ROOM
52.5M X 25 YD				(2) MOVABLE BULKHEADS; MAX. POOL DEPTH: 8'-6"
25YD X 45'				(2)1M & (2)3M SPRINGBOARDS; 1M, 3M, 5M , 7.5M AND 10M PLATFORM BOARDS

HEALTH, COUNSELING, WELLNESS PROGRAM

DEAN OF STUDENTS

SPACE	# ITEMS	SF/ITEM	# SPACES	SF/SPACE	NSF	NOTES
GENERAL					1,230	
RECEPTION DESK			1	150	150	ADMIN SPECIALIST
WAITING/RESOURCE	20	20	1	400	400	
LARGE TRIAGE ROOM			1	200	200	SEATING FOR 5-6; CRISIS MGMT
SMALL TRIAGE/SCREENER			1	80	80	
COPY/WORK ROOM			1	200	200	COULD BE SHARED SPACE
STORAGE			1	200	200	
DEAN OF STUDENTS					2,420	
DEAN'S OFFICE			1	280	280	
DEAN'S EXEC ASSIST OFFICE			1	120	120	DIRECT PASS THROUGH TO DEAN'S OFFICE
ASSOCIATE DEAN'S OFFICE			2	160	320	
OFFICE - GENERAL			10	120	1,200	
CONFERENCE ROOM	25	20	1	500	500	25-30; IDEALLY NOT SHARED; NON-MOVABLE FURNITURE; TOWARDS THE BACK OF THE SUITE
OFFICE OF STUDENT RIGHTS & RESPONSIBILITIES					1,780	
OFFICE			9	120	1,080	
CONFERENCE ROOM / HEARING ROOM	25	20	1	500	500	
WORK ROOM / STORAGE			1	200	200	
DISABILITY SERVICES					4,960	
OFFICE			7	120	840	
GA OFFICES			2	120	240	
TEST CENTER	60	48	1	2880	2,880	
TEST CENTER - INDIVIDUAL TESTING ROOM	10	80	1	800	800	SINGLE TESTER, SOMETIMES WITH ADMINISTRATOR IN ROOM; ONE-WAY GLAZING FROM TESTING OBSERVATION ROOM
TEST CENTER - TESTING ROOM OBSERVATION			1	200	200	ONE-WAY GLAZING INTO INDIVIDUAL TESTING ROOMS
SUBTOTAL ASF					10,390	
65% EFFICIENCY					0.65	
TOTAL GSF					15,985	

COUNSELING CENTER

SPACE	# ITEMS	SF/ITEM	# SPACES	SF/SPACE	NSF	NOTES
GENERAL					2,460	
RECEPTION DESK			1	300	300	ADMIN SPECIALIST
WAITING/RESOURCE	50	20	1	1000	1,000	
WAITING - SCREENING ROOM	4	40	1	160	160	STUDENTS IN DISTRESS
TEAM MEETING ROOM	30	20	1	600	600	20-30; NOT SHARED
COPY/WORK ROOM			1	160	160	PROVIDE ADMIN SUPPORT DESK WITHIN WORK ROOM
STORAGE - RECORDS			1	120	120	
STORAGE - DEPARTMENTAL			1	120	120	
ADMINISTRATION					700	
DIRECTOR OFFICE			1	200	200	
ASSOCIATE DIRECTOR OFFICE			1	180	180	
ASSISTANT DIRECTOR OFFICE			1	140	140	
OFFICE MANAGER OFFICE	2	90	1	180	180	
OFFICES					5,360	
COUNSELING/CASE MANAGEMENT OFFICE			18	180	3,240	INCLUDES 5 OFFICES FOR FUTURE GROWTH; LOCATE CASE MANAGER OFFICES NEAR WAITING AREA FOR TRIAGE
TRAINING DIRECTOR			1	180	180	
TRAINEE OFFICE			6	140	840	NEAR RECEPTION/WAITING
TRAINEE OBSERVATION			1	100	100	ADJACENT 2 TRAINEE OFFICES; ONE-WAY GLASS
PSYCHIATRY OFFICE			3	140	420	NEAR RECEPTION/WAITING
OUTREACH OFFICE			1	180	180	REQUIRES VISUAL PRIVACY
OUTREACH - WORK AREA			1	200	200	
OUTREACH - STORAGE			1	200	200	
PATIENT SUPPORT					1,400	
GROUP COUNSELING ROOM	15	20	4	300	1,200	1-2 ROOMS TO BE ACCESSIBLE AFTER HOURS
MEDITATION GROUP ROOM	10	20	1	200	200	ACCESSIBLE AFTER HOURS; ADJACENT CRC SUITE
CLIENT RECOVERY COMMUNITY					1,210	
CRC LOUNGE	30	25	1	750	750	SEPARATE KEY-CODED ENTRANCE; SMALL KITCHENETTE
CRC RESTROOM			1	80	80	
CRC COORDINATOR OFFICE			1	180	180	
STORAGE			1	200	200	

SUBTOTAL ASF 11,130
65% EFFICIENCY 0.65
TOTAL GSF 17,123

HEALTH, COUNSELING, WELLNESS PROGRAM

HEALTH CENTER

SPACE	# ITEMS	SF/ITEM	# SPACES	SF/SPACE	NSF	NOTES
GENERAL					2,014	
WAITING	24	20	1	480	480	ADJACENT LOBBY BUT W/ PHYSICAL SEPARATION FOR PRIVACY; COULD CO-LOCATE WITH COUNSELING WAITING; CONSIDER SICK VS. WELL WAITING
CHECK-IN KIOSKS	6	40	1	240	240	
RECEPTION			1	200	200	INCLUDE OPEN OFFICE FOR GA
TRIAGE / ROOM			4	80	320	
WORK-UP ROOM / OPEN OFFICE	8	48	1	384	384	PAPERWORK
APPOINTMENTS AREA			2	120	240	"BACK DOOR" TO RECEPTION
COPY/WORK ROOM			1	150	150	

ADMINISTRATION					6,166	
OFFICE - DIRECTOR			1	160	160	
OFFICE - ADMINISTRATION			2	120	240	INSURANCE COORDINATOR, BUSINESS MANAGER
OFFICE - PROVIDER			32	120	3,840	CURRENT OFFICE COUNT: 30. 1 OFFICE TO BE LOCATED IN REHAB SERVICES/PT SUITE
OFFICE - SPECIALTY			4	120	480	OFFICES PLANNED FOR GROWTH OF SPECIALTIES
OPEN OFFICE - NURSING	14	64	1	896	896	NEAR EXAM ROOMS
OUTREACH ROOM			1	250	250	STORAGE; LARGE FORMAT PRINTER
COPY/WORK ROOM			1	150	150	
STAFF WORK AREA			1	150	150	

PATIENT SUPPORT					6,880	
EXAM ROOM			24	110	2,640	
EXAM ROOM - BARIATRICS			8	160	1,280	2 LOCATED IN REHAB SERVICES/PT SUITE
PROCEDURE ROOM			8	150	1,200	
OBSERVATION ROOM			3	110	330	
ISOLATION OBSERVATION ROOM			1	110	110	
ISOLATION TOILET			1	80	80	
COLPOSCOPY ROOM			1	110	110	
COLPOSCOPY TOILET			1	80	80	
LACTATION ROOM			1	110	110	
PATIENT TOILETS			8	80	640	
CHECK-OUT/INSURANCE			2	150	300	

SUPPORT					730	
NURSING COORDINATOR OFFICE			1	120	120	LOCATED NEAR PODS
MEDICATION ROOM			1	100	100	
SUPPLY ROOM			1	180	180	ICE MACHINE
EQUIPMENT STORAGE			1	150	150	
SOILED HOLDING			1	80	80	INCLUDES RED BAG
AUTOCLAVE ROOM			1	100	100	

PHARMACY					1,478	
PHARMACY COUNTER			1	150	150	
COMPOUNDING			1	300	300	
DRIVE-THRU COUNTER			1	100	100	WOULD DEPEND ON LOCATION OF FACILITY
PHARMACY RETAIL			1	300	300	
PHARMACY CONSULTATION			2	80	160	
PHARMACY STAFF TOILET			1	60	60	
OFFICE - PHARMACY DIRECTOR			1	120	120	
OPEN OFFICE - PHARMACY STAFF	6	48	1	288	288	GROWTH FOR 2 ADDITIONAL TECHS/STAFF

LAB SPECIALTIES						1,260	
SERVICE LAB			1	640	640	2X EXISTING SQUARE FOOTAGE; 4 SINKS: 2 CLEAN, 2 DIRTY; RED PLUGS FOR EQUIPMENT; INCREASE IT AND ELECTRICAL PLUG COUNT CONSIDERABLY	
BLOOD DRAW			2	60	120	PASS-THROUGH TO LAB	
LAB TOILET ROOM			3	60	180	PASS-THROUGH TO LAB	
LAB DIRECTOR OFFICE			1	120	120	ADJACENT SERVICE LAB	
FILE STORAGE			1	200	200	ADJACENT SERVICE LAB	
RADIOLOGY						788	
WAITING	4	20	1	80	80		
LAB			1	300	300		
ULTRASOUND			1	110	110	EXAM ROOM	
ULTRASOUND TOILET			1	80	80		
DRESSING			2	45	90		
OPEN OFFICE - RADIOLOGY STAFF	2	64	1	128	128		
REHAB/PHYSICAL THERAPY SERVICES						3,376	
WAITING	4	20	1	80	80		
RECEPTION/CHECK-IN			1	120	120		
OFFICE - PROVIDER			1			- SQUARE FOOTAGE SHOWN IN ADMINISTRATION SECTION OF PROGRAM	
OPEN OFFICE - PT STAFF	4	64	1	256	256	1 SPORTS MED FELLOW, 1 MED STUDENT (ROTATION)	
TREATMENT ROOM			2	160	320	PROVIDE TREATMENT TABLE AND FURNITURE FOR BARIATRICS PATIENTS IN BOTH ROOMS	
TREATMENT AREA			1	1,200	1,200		
HYDROTHERAPY			1	1,000	1,000	WISH LIST ITEM	
STORAGE			1	400	400	INCLUDES EQUIPMENT STORAGE	
NUTRITION						1,472	
NUTRITION STUDIO			1	1,200	1,200	FLEXIBLE CLASSROOM; POWER IN FLOOR; DEDICATED CLINIC SPACE, NOT SHARED	
OPEN OFFICE - NUTRITION STAFF	3	64	1	192	192		
NUTRITION CONSULTATION			1	80	80		
VISION						1,824	WISH LIST ITEM
WAITING	4	20	1	80	80		
RECEPTION/CHECK-IN			1	120	120		
OPEN OFFICE	6	64	1	384	384		
EXAM ROOM			8	140	1,120	TREATMENT, MASSAGE	
STORAGE			1	120	120		
SUBTOTAL ASF					25,988		
65% EFFICIENCY					0.65		
TOTAL GSF					39,982		

*Items highlighted in purple are wish list items that should be reconsidered based on the building location and program needs at the time of design.

HEALTH, COUNSELING, WELLNESS PROGRAM

SHARED/WELLNESS

SPACE	# ITEMS	SF/ITEM	# SPACES	SF/SPACE	NSF	NOTES
ENTRY					1,800	
LOBBY			1	1,500	1,500	
WELLNESS RESOURCE			1	150	150	
KITCHEN/HEALTHY VENDING			1	150	150	MICROWAVES, SINK

MEETING					2,680	
CONFERENCE ROOM - LARGE			1	600	600	SHARED COUNSELING/HEALTH CONFERENCE ROOM
CONFERENCE ROOM - MEDIUM			2	200	400	SHARED STAFF CONFERENCE ROOM
GROUP ROOM - MEDIUM			2	180	360	STUDENT/STAFF SHARED
GROUP ROOM - SMALL			2	110	220	STUDENT/STAFF SHARED
OPEN STUDY/MEETING			2	100	200	
SEMINAR ROOM	30	25	1	750	750	ACOUSTIC AND VISUAL PRIVACY NECESSARY DURING THREAT ASSESSMENT
SEMINAR ROOM STORAGE			1	150	150	

STRESS MANAGEMENT					1,470	
QUIET/NAP LOUNGE	8	40	1	320	320	NAP PODS & MASSAGE CHAIRS
DE-STRESS LOUNGE	20	25	1	500	500	RELAXATION ROOM - COUNSELING REQUEST
QUIET REFLECTION ROOM			3	110	330	
LACTATION ROOM			1	120	120	
GARDEN SUPPORT			1	200	200	SUPPORT SPACE FOR GROUND FLOOR COURTYARD GARDENS

SUBTOTAL ASF 5,950
 65% EFFICIENCY 5.60
TOTAL GSF 9,154

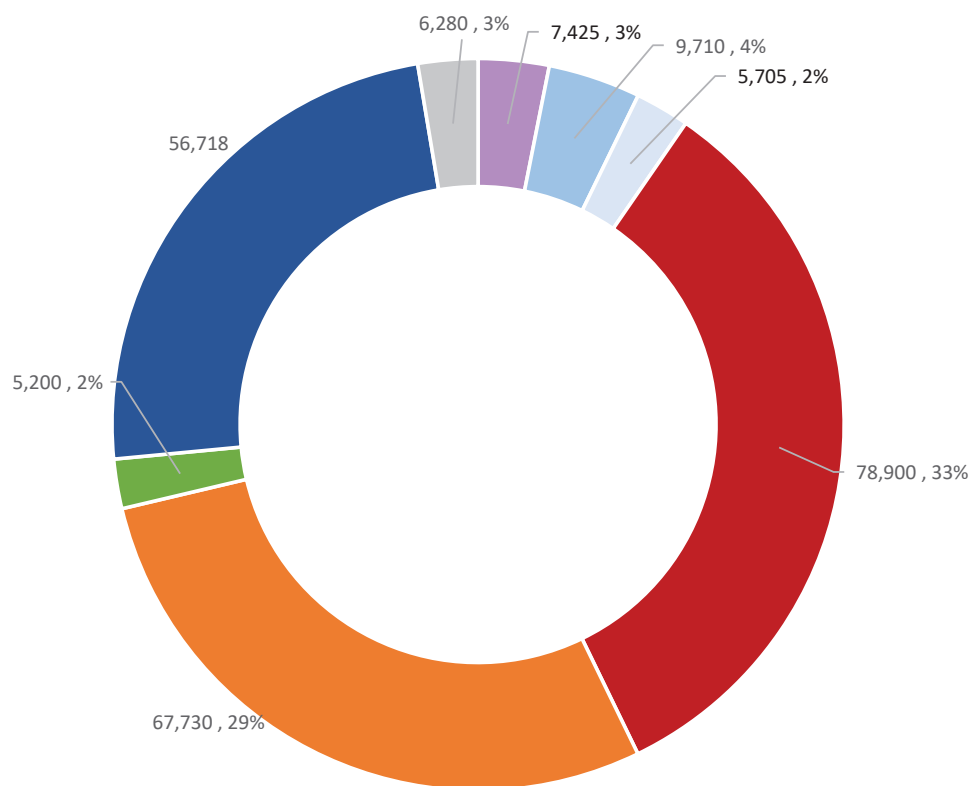
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NEW RECREATION PROGRAM

SUMMARY

Summary - New Space		Total GSF	%	Master Plan
1	Entry and Social	7,425	3%	7,425
2	Administration	9,710	4%	9,710
3	Wellness	5,705	2%	5,705
4	Fitness	78,900	33%	78,900
5	Courts	67,730	28%	67,730
6	Outdoor Adventure	5,200	2%	5,200
7	Aquatics	56,718	24%	56,718
8	Support	6,280	3%	6,280
Total New ASF		237,668	100%	237,668
Building Efficiency (70%)		101,858		101,858
TOTAL GSF		339,526		339,526

Program Summary



■ Entry and Social ■ Administration ■ Wellness ■ Fitness ■ Courts ■ Outdoor Adventure ■ Aquatics ■ Support

ENTRY, LOUNGE AND COMMUNITY

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Welcome Desk and Lounge						
Welcome Desk			1	250	250	
Living Room / Lounge			1	2,500	2,500	existing SRC Concourse at Level 1 measures approximately 6,800 nsf
Quiet Lounge			1	500	500	proposed new program space
Gaming Lounge			1	500	500	proposed new program space
Subtotal					1,600	
Community Kitchen / Lounge						
Kitchen Area			1	350	350	needs to be tested for layout and appliances
Seating Area			1	800	800	seating for 50 indoor at 15 sf/person, 100 outdoor seats, total 150 seats
Secure Storage			1	150	150	
Day Use Lockers (for Commuters)			60	5	300	distributed throughout facility
Subtotal					1,600	
Gaming & E-Sports						
Gaming Lounge			1	1,000	1,000	pool table, ping pong table, open game consoles
E-Sports Drop-In / Lounge			1	800	800	18 stations, and staff supervisor area
E-Sports Team Room			2	350	700	6 stations and one staff supervisor per team room
Subtotal					2,500	
Shared Space						
Shared Classroom			1	850	850	existing space allocation for Recreation staff and student use
AV / Storage			1	75	75	existing space allocation accessible from classroom
Small Shared Classrooms			2	600	1,200	capacity for 30 people at 20 sf/ person/ requested program for use by Student Organizations
AV / Storage			2	50	100	
Small Shared Classroom			1	1,000	1,000	capacity for 30 people at 20 sf/ person/ requested program for use by Student Organizations
AV / Storage			1	100	100	
Subtotal					3,325	
Total ASF					7,425	

ADMINISTRATION

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Lobby and Control						
Entry Lobby			1	2,500	2,500	existing lobby space at SRC measures approximately 1,800 nsf
Control Desk			1	450	450	existing space at SRC measures 435 nsf
Equipment Check Desk			1	150	150	currently included as part of Control Desk at SRC
Equipment Office			1	150	150	existing space at SRC measures 108 nsf
Equipment Storage			1	500	500	existing space at SRC measures 430 nsf, room dimensions do not allow storage flexibility
Laundry			1	300	300	(1) commercial washer, (2) dryers, (1) ice machine; existing room measures 270 nsf
Laundry Storage			1	100	100	room should be securable
Subtotal					4,150	
Administration Office Suite						
Administrative Reception Area			1	300	300	
Waiting Area			1	450	450	
Director Office			1	250	250	
Private Offices - Large			2	200	400	
Private Offices - Medium			4	165	660	
Private Offices - Small			6	110	660	
Future Staff Offices			2	110	220	
Work Stations (Open Office)			10	40	400	shared space to be used by Graduate Assistants
Staff Conference Room			1	300	300	capacity for 20 people at 15 sf/person
Staff Work Room / Break Room			1	200	200	can be open to the Open Office / Workstations
Professional Staff Break Room			1	150	150	
Student Staff Work Room			1	250	250	
Administrative Storage			1	110	110	
Mother's Room			1	110	110	Should include counter, sink, soft seating, and microfridge
Toilet Rooms			2	75	150	
Subtotal					4,610	
Shared Multiuse Space						
Marketing / Promotions Open Office Area			1	400	400	existing space
Marketing Work Room			1	120	120	existing space
Marketing Office			1	150	150	existing space
Video Room			1	200	200	existing space
Storage			1	80	80	existing space
Subtotal					950	
Total ASF					9,710	

WELLNESS

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Wellness Center						
Reception / Waiting			1	250	250	proposed
Wellness Offices (existing)			3	150	450	SRC currently includes 3 offices for existing Wellness Director and Assist. Director positions
Additional Private Offices			3	150	450	requested additional offices for future Wellness Fitness Coordinator positions
Open Office Area			1	500	500	existing space at SRC; to be used by Graduate Assistants; 4-5 stations plus flex space
Fitness Performance Center			1	750	750	existing space at SRC
Body Composition / Assessment Room			1	120	120	existing space at SRC
Health Coach Office			1	120	120	existing space at SRC
Relaxation Room			1	150	150	existing space at SRC
Conference Room			1	150	150	recommend small private meeting area
Mind / Body Studio			1	1,000	1,000	proposed new program space; locate in proximity to Group Fitness
Classroom			1	600	600	proposed new program space; can be shared with Recreation
Restroom			1	65	65	proposed new program space; can be shared with Recreation
Subtotal					4,605	existing Wellness Suite currently measuring 2,360 nsf
Athletic Training						
Reception / Waiting			1	250	250	proposed
Trainer's Office			1	150	150	proposed
Athletic Training Center			1	450	450	existing space at SRC currently measures approximately 400 nsf
Injury Prevention and Care			1	250	250	proposed; area for (1) treatment table, (1) taping table, open space to jump;
Subtotal					1,100	
Total ASF					5,705	

FITNESS

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Fitness Center						
Cardio Equipment Areas			1	12,000	12,000	distributed between multiple areas
Strength Training Area			1	10,000	10,000	SelectORIZED equipment
Free Weights Area			1	10,000	10,000	Olympic platforms, free weights, etc.
Functional Training			1	3,000	3,000	indoor Cross-Fit and flexible training space with turf
Stretching			1	1,000	1,000	distributed throughout facility
Indoor Jogging Track			1	5,280	13,200	1/4 Mile; 3-lane track; extend into fitness space
Sprint Incline			1	800	800	preferably integrated with functional fitness and track
Subtotal					50,000	
Group Fitness						
Group Fitness Studio - Large	60	50	2	3,000	6,000	60 Occupants
Group Fitness Studio - Medium	40	50	3	2,000	6,000	40 Occupants each space
Group Fitness Studio - Small	25	50	4	1,250	5,000	25 Occupants each space
Group Fitness Storage			9	100	900	
Dance Studios			3	1,500	4,500	request by University for Dance program; could be at located future Christenbury facility
Dance Studios			3	100	300	
Group Cycling / Spin Studio	50	40	1	2,000	2,000	capacity for 50 per request of Recreation staff
Cycling Studio Storage			1	200	200	
Racquetball Courts			4	800	3,200	
Squash Court			1	800	800	Convertible to Racquetball
Golf Simulator			0	800	-	space is not currently provided or a priority for Recreation
Golf Equipment Storage			0	150	-	
Subtotal					28,900	
Total ASF					78,900	

COURTS

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Basketball Courts			8	6,500	52,000	
Court Storage			8	125	1,000	
Multi-purpose Activity Court (MAC) Gym			1	12,800	12,800	2-court gym layout for Futsal, Indoor Soccer, Badminton, Pickleball, etc.
MAC Gym Storage			1	250	250	
Intramural Equipment Storage			1	400	400	
Sport Club Storage	20	64	1	1,280	1,280	8' x 8' storage cages
Subtotal					67,730	
Total ASF					67,730	

OUTDOOR ADVENTURE

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Outdoor Recreation						
Outdoor Adventure Transaction			1	200	200	
Outdoor Adventure Program Area / Displays			1	1,000	1,000	Steel racks, refrigerator, deep sink, floor drains, space for maintenance work
Trip Planning Resource Room			1	200	200	Conference table
Administration Office			1	150	150	
Secure Equipment Storage			1	1,200	1,200	
Climbing Center			1	2,000	2,000	
Bike Repair Shop			1	450	450	
Exterior Secure Storage			1	0	-	Space to store canoes, kayaks and bikes
Subtotal					5,200	
Total ASF					5,200	

SUPPORT

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Recreation Support						
First Aid			1	110	110	
General Building Storage			2	200	400	
Custodial / Storage			4	120	480	
Fitness Equipment Workshop / Storage			1	250	250	
Loading Dock			1	500	500	
Loading Dock Receiving Area			1	200	200	
					1,940	
Recreation Restrooms						
Men's Restroom - Level 1			1	125	125	Proposed for East Side Gym Addition @ SRC
Women's Restroom - Level 1			1	125	125	Proposed for East Side Gym Addition @ SRC
Men's Restroom - Level 2			1	200	200	Existing
Women's Restroom - Level 2			1	200	200	Existing
Men's Restroom - Level 3			1	125	125	Proposed for West Side Fitness Addition
Women's Restroom - Level 3			1	125	125	Proposed for West Side Fitness Addition
Universal Restrooms			2	80	160	
					1,060	
Recreation Locker Rooms						
Women's Locker Room	100	10	1	1,000	1,000	(100) full height or (200) half lockers
Women's Wet Area (Toilets & Showers)	10	36	1	360	360	(4) Showers, (6) Toilets
Men's Locker Room	100	10	1	1,000	1,000	(100) full height or (200) half lockers
Men's Wet Area (Toilets & Showers)	10	36	1	360	360	(4) Showers, (3) Toilets, (3) Urinals
Private Changing/Shower Room			4	140	560	
					3,280	
Total ASF					6,280	

AQUATICS

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Entry / Lobby Area						
Entry Vestibule			1	200	200	
Lobby			1	400	400	
Control Desk			1	200	200	
Cash Control			1	100	100	
					900	
Indoor Pool / Natatorium						
Competitive Lap Pool (Rec / HHP / Community)			1	13,150	13,150	52-meter x 25-yard w/ movable bulkhead for competitive swim, practice and swim instruction
Recreation Program Fitness / Lap Pool			0	6,350	-	not in included in base program; part of larger regional aquatic facility and competition venue
Program Social Pool			1	6,500	6,500	freeform pool with combination of fitness lap lanes, shallow warm water and water features
Diving Pool			0	3,200	-	not in included in base program; part of larger regional aquatic facility and competition venue
Spa Pool			1	250	250	
Pool Deck					19,900	1:1 ratio w/ programmed water surface area
Lifeguard / First Aide Office			1	300	300	directly accessible from pool deck area with view of pools
Aquatic Director Office			1	300	300	space currently exists at SRC
Staff Office (shared)			1	240	240	recommended for aquatics staff
Multipurpose Wet Classroom			1	800	800	recommended for community events and swim classes; includes wet counter and storage
Dryland Training Area			1	1,000	1,000	not included with base program; use portion of spectator seating space for training
Public Seating Deck - Spectator Viewing			1	5,000	5,000	provide elevated open deck with space for bleachers and spectator viewing during events
Concessions / Event Operations			1	240	240	lockable room for use by community for swim events
					47,680	
Locker / Dressing / Toilet / Shower Area						
Men's Locker / Dressing / Toilet / Shower			1	1,250	1,250	additional locker room for Community and Swim Club use
Women's Locker / Dressing / Toilet / Shower			1	1,250	1,250	additional locker room for Community and Swim Club use
Universal Changing Rooms			3	200	600	ADA accessible toilet / shower / changing rooms
Natatorium Deck Toilets			2	65	130	Universal toilet rooms accessible from pool deck
Dryside Public Toilets			2	125	250	Public toilets accessible from spectator viewing area and outside locker rooms
Locker Custodial Rooms			2	25	50	
					3,530	
Support and Back-of-House Areas						
Scuba / Custom Program Room			1	180	180	
Pool Mechanical Equipment Room			1	2,000	2,000	
Pool Filtration Room			1	500	500	
Pool Chemical Storage (CO2 / Chlorine)			2	64	128	
Pool Equipment Storage			1	1,500	1,500	
Custodial Room			1	300	300	
					4,608	
Total ASF					56,718	

NEW BLOUNT RECREATION PROGRAM

SUMMARY

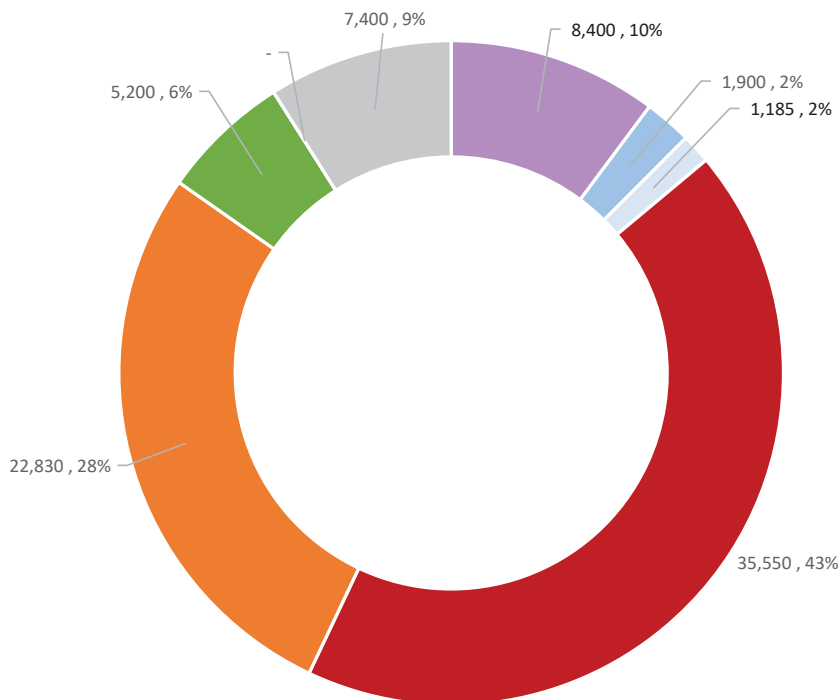
Blount Recreation Center & Wellness Center Option

East Carolina University

Preliminary Space Program

Summary - New Space		Total GSF	%	Master Plan
1	Entry and Social	8,400	10%	8,400
2	Administration	1,900	2%	1,900
3	Wellness	1,185	1%	1,185
4	Fitness	35,550	43%	35,550
5	Courts	22,830	28%	22,830
6	Outdoor Adventure	5,200	6%	5,200
7	Aquatics	-	0%	-
8	Support	7,400	9%	7,400
Total New ASF		82,465	100%	82,465
Building Efficiency (70%)		35,342		35,342
TOTAL GSF		117,807		117,807

Program Summary



■ Entry and Social ■ Administration ■ Wellness ■ Fitness ■ Courts ■ Outdoor Adventure ■ Aquatics ■ Support

ENTRY, LOUNGE AND COMMUNITY

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Welcome Desk and Lounge						
Entry Lobby			1	1,250	1,250	
Control Desk			1	400	400	
Equipment Check Desk			1	150	150	
Equipment Office			1	150	150	
Equipment Storage			1	450	450	
Laundry			1	300	300	(1) commercial washer, (2) dryers, (1) ice machine; existing room measures 270 nsf
Laundry Storage			1	100	100	
Subtotal					2,800	
Community Spaces						
Living Room / Lounge			1	800	800	
Quiet Lounge			1	400	400	
Gaming Area			1	400	400	foosball, ping pong table
Community Kitchen			1	350	350	
Seating Area			1	800	800	adjoining space for 40 people
Secure Storage			1	150	150	
Day Use Lockers (for Commuters)			50	5	250	distributed throughout facility
Subtotal					3,150	
Gaming & E-Sports						
Reception / Check Desk			1	150	150	
E-Sports Drop-In Lounge			1	500	500	12 stations, and staff supervisor area
E-Sports Team Rooms			2	300	600	6 stations and one staff supervisor per team room
Equipment Storage			1	100	100	
Subtotal					1,350	
Shared Classrooms / Meeting Areas						
Multise Classrooms			1	800	800	capacity for 40 people at 20 sf/ person
AV / Storage			1	50	50	accessible to both classroom for media equipment storage
Small Meeting / Study Rooms			2	100	200	capacity for 4 people at 25 sf/person
Storage			1	50	50	
Subtotal					1,100	
Total ASF					8,400	

ADMINISTRATION

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Administration Office Suite						
Administrative Reception / Waiting Area			1	250	250	
Facility Director Office			1	150	150	
Professional Staff Offices			2	110	220	
Work Stations (Open Office)			4	40	160	shared space to be used by Graduate Assistants
Conference / Meeting Room			1	200	200	10 people at 20 sf/person
Staff Work Room			1	150	150	
Break Room			1	125	125	
Administrative Storage			1	80	80	
AV Room			1	40	40	
Mother's Room			1	110	110	Should include counter, sink, soft seating, and microfridge
Toilet Rooms			1	75	75	
Subtotal					1,560	
Member Services						
Private Office			1	110	110	
Meeting / Work Room			1	150	150	
Storage			1	80	80	
Subtotal					340	
Total ASF					1,900	

WELLNESS

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Wellness Center						
Reception / Waiting			1	150	150	Small area for check-in and waiting
Wellness Director Office			1	150	150	Satellite office to Wellness Center offices on main Campus at SRC
Fitness Performance Center			0	750	-	space to remain at SRC
Body Composition / Assessment Room			0	120	-	space to remain at SRC
Health Coach Office			1	110	110	
Relaxation Room			1	200	200	similar to wellness space at Health Science Student Center w/ sleep chairs
Conference Room			1	150	150	small private meeting area for 4-6 people; could be used for education seminars
Mind / Body Studio			0	1,000	-	existing studio to remain at SRC
Classroom			0	600	-	share classroom with Community Space
Restroom			1	65	65	proposed new program space; can be shared with Recreation
Subtotal					825	existing Wellness Suite currently measuring 2,360 nsf
Athletic Training						
Reception / Waiting			0	250	-	
Trainer's Office			1	110	110	space currently also exists at SRC
Athletic Training Center			0	450	-	space currently also exists at SRC
Injury Prevention and Care			1	250	250	area for (1) treatment table, (1) taping table, open space to jump;
Subtotal					360	
Total ASF					1,185	

FITNESS

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Fitness Center						
Cardio Equipment Areas			1	5,000	5,000	distributed between multiple areas
Strength Training Area			1	3,000	3,000	Selectorized equipment
Free Weights Area			1	2,500	3,500	Olympic platforms, free weights, etc.
Functional Training / Cross Fit Area			1	1,000	1,000	indoor Cross-Fit and flexible training space with turf
Stretching			1	500	500	distributed throughout facility
Indoor Jogging Track			1	5,280	13,200	1/4 Mile; 3-lane track; extend into fitness space
Sprint Incline			0	800	-	
Subtotal					26,200	
Group Fitness						
Group Fitness Studio - Large	60	50	1	3,000	3,000	60 Occupants
Group Fitness Studio - Medium	40	50	1	2,000	2,000	40 Occupants each space
Group Fitness Studio - Small	25	50	1	1,250	1,250	25 Occupants each space
Group Fitness Storage			3	100	300	
Dance Studios			0	1,500	-	recommend locating this program space on Main Campus at SRC or Christenbury
Dance Studios			0	100	-	recommend locating this program space on Main Campus at SRC or Christenbury
Group Cycling / Spin Studio	25	40	1	1,000	1,000	large spin studio to remain at SRC
Cycling Studio Storage			1	200	200	
Racquetball Courts			2	800	1,600	
Squash Court			0	800	-	
Golf Simulator			0	800	-	
Golf Equipment Storage			0	150	-	
Subtotal					9,350	
Total ASF					35,550	

COURTS

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Basketball / Volleyball Courts			2	6,500	13,000	(2) 84' x 50' regulation recreation courts; wood floor
Court Storage			2	200	400	
Multi-purpose Activity Court (MAC) Gym			1	7,500	7,500	Multipurpose Gym for futsal, indoor soccer, sadminton, pickleball; synthetic floor
MAC Gym Storage			1	250	250	
Intramural Equipment Storage			1	400	400	
Sport Club Storage	20	64	1	1,280	1,280	8' x 8' storage cages
Subtotal					22,830	

Total ASF

22,830

OUTDOOR ADVENTURE

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Outdoor Recreation						
Outdoor Adventure Transaction			1	200	200	
Outdoor Adventure Program Area / Displays			1	1,000	1,000	Steel racks, refrigerator, deep sink, floor drains, space for maintenance work
Trip Planning Resource Room			1	200	200	Conference table
Administration Office			1	150	150	
Secure Equipment Storage			1	1,200	1,200	
Climbing Center			1	2,000	2,000	
Bike Repair Shop			1	450	450	
Exterior Secure Storage			1	0	-	Space to store canoes, kayaks and bikes
Subtotal					5,200	

Total ASF

5,200

SUPPORT

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Recreation Support						
First Aid			1	110	110	
General Building Storage			1	300	300	
Custodial / Storage			2	120	240	
Fitness Equipment Workshop / Storage			1	250	250	
Loading Dock			1	500	500	
Loading Dock Receiving Area			1	200	200	
					1,600	

Recreation Restrooms						
Men's Restroom - Level 1			1	200	200	
Women's Restroom - Level 1			1	200	200	
Men's Restroom - Level 2			1	200	200	
Women's Restroom - Level 2			1	200	200	
Universal Restrooms			2	80	160	
					960	

Recreation Locker Rooms						
Women's Locker Room		150	10	1	1,500	1,500 (100) full height or (200) half lockers
Women's Wet Area (Toilets & Showers)		12	40	1	480	480 (6) Showers, (6) Toilets
Men's Locker Room		150	10	1	1,500	1,500 (100) full height or (200) half lockers
Men's Wet Area (Toilets & Showers)		12	40	1	480	480 (6) Showers, (3) Toilets, (3) Urinals
Family Locker Area				1	200	200
Family Changing / Toilet / Shower Rooms				2	140	280
University Changing/Shower Room				4	100	400
					4,840	

Total ASF

7,400

AQUATICS

Space	# Items	SF/Item	# Spaces	SF/Space	NSF	Notes
Entry / Lobby Area						
Entry Vestibule			0	200	-	
Lobby			0	400	-	
Control Desk			0	200	-	
Cash Control			0	100	-	
-						
Indoor Pool / Natatorium						
Competitive Lap Pool (Rec / HHP / Community)			0	13,150	-	52-meter x 25-yard w/ movable bulkhead for competitive swim, practice and swim instruction
Recreation Program Fitness / Lap Pool			0	6,350	-	not included in base program; part of larger regional aquatic facility and competition venue
Program Social Pool			0	6,500	-	freeform pool with combination of fitness lap lanes, shallow warm water and water features
Diving Pool			0	3,200	-	not included in base program; part of larger regional aquatic facility and competition venue
Spa Pool			0	250	-	
Pool Deck					-	1:1 ratio w/ programmed water surface area
Lifeguard / First Aide Office			0	300	-	directly accessible from pool deck area with view of pools
Aquatic Director Office			0	300	-	space currently exists at SRC
Staff Office (shared)			0	240	-	recommended for aquatics staff
Multipurpose Wet Classroom			0	800	-	recommended for community events and swim classes; includes wet counter and storage
Dryland Training Area			0	1,000	-	not included with base program; use portion of spectator seating space for training
Public Seating Deck - Spectator Viewing			0	5,000	-	provide elevated open deck with space for bleachers and spectator viewing during events
Concessions / Event Operations			0	240	-	lockable room for use by community for swim events
-						
Locker / Dressing / Toilet / Shower Area						
Men's Locker / Dressing / Toilet / Shower			0	1,250	-	additional locker room for Community and Swim Club use
Women's Locker / Dressing / Toilet / Shower			0	1,250	-	additional locker room for Community and Swim Club use
Universal Changing Rooms			0	200	-	ADA accessible toilet / shower / changing rooms
Natatorium Deck Toilets			0	65	-	Universal toilet rooms accesible from pool deck
Dryside Public Toilets			0	125	-	Public toilets accesble from spectator viewing area and outside locker rooms
Locker Custodial Rooms			0	25	-	
-						
Support and Back-of-House Areas						
Scuba / Custom Program Room			0	180	-	
Pool Mechanical Equipment Room			0	2,000	-	
Pool Filtration Room			0	500	-	
Pool Chemical Storage (CO2 / Chlorine)			0	64	-	
Pool Equipment Storage			0	1,500	-	
Custodial Room			0	300	-	
-						
Total ASF					-	

BLOUNT AQUATIC FACILITY PROGRAM

SHARED AQUATICS

SPACE	# ITEMS	SF/ITEM	# SPACES	SF/SPACE	NSF	NOTES
ENTRY / LOBBY AREAS						
ENTRY VESTIBULE			1	200	200	
LOBBY			1	500	500	
CONTROL DESK			1	200	200	
CASH CONTROL			1	100	100	
SUBTOTAL					1,000	
RECREATION LOCKER / DRESSING / TOILET / SHOWER AREAS						
MEN'S STUDENT LOCKERS / DRESSING			125	10	1,250	
MEN'S STUDENT TOILETS			6	20	120	
MEN'S STUDENT URINALS			6	10	60	
MEN'S STUDENT LAVS			6	10	60	
MEN'S STUDENT SHOWERS			12	15	180	
WOMEN'S STUDENT LOCKERS / DRESSING			125	10	1,250	
WOMEN'S STUDENT TOILETS			8	20	160	
WOMEN'S STUDENT LAVS			8	10	80	
WOMEN'S STUDENT SHOWERS			12	15	180	
UNIVERSAL CHANGING ROOMS			3	200	600	
SUBTOTAL					3,940	
ATHLETIC TEAM LOCKER AREAS						
MEN'S HOME TEAM LOCKERS / DRESSING			35	10	350	
MEN'S TEAM TOILET/SHOWER/URINALS			1	240	240	
WOMEN'S HOME TEAM LOCKERS / DRESSING			35	10	350	
WOMEN'S TEAM TOILET/SHOWER/URINALS			1	240	240	
VISITING TEAM LOCKERS / DRESSING - FLEX LOCKER #1			30	10	300	ADDITIONAL LOCKER AREA FOR VISITING TEAM AND SWIM CLUBS
VISITING TEAM TOILET/SHOWERS			1	240	240	
VISITING TEAM LOCKERS / DRESSING - FLEX LOCKER #2			30	10	300	ADDITIONAL LOCKER AREA FOR VISITING TEAM AND SWIM CLUBS
VISITING TEAM TOILET/SHOWERS			1	240	240	
SUBTOTAL					2,260	
COMMUNITY LOCKER / DRESSING / TOILET / SHOWER AREAS						
MEN'S PUBLIC LOCKERS / DRESSING			125	10	1,250	
MEN'S PUBLIC TOILETS			6	20	120	
MEN'S PUBLIC URINALS			6	10	60	
MEN'S PUBLIC LAVS			6	10	60	
MEN'S PUBLIC SHOWERS			12	15	180	
WOMEN'S PUBLIC LOCKERS / DRESSING			125	10	1,250	
WOMEN'S PUBLIC TOILETS			8	20	160	
WOMEN'S PUBLIC LAVS			8	10	80	
WOMEN'S PUBLIC SHOWERS			12	15	180	
COMMUNITY / FAMILY LOCKER AREA			50	10	500	
UNIVERSAL CHANGING ROOMS (W/ TOILET & SHOWER)			3	200	600	
SUBTOTAL					4,440	
POOL AREAS						
COMPETITIVE LAP POOL (REC, HHP & ATHLETICS)			1	13,150	13,150	52-METER X 25-YARD W/ MOVABLE BULKHEAD FOR USE BY ATHLETICS AND COMPETITIVE SWIM CLUBS
RECREATION PROGRAM FITNESS / LAP POOL			1	6,350	6,350	25-YARD (75') X 25M (82')10-LANE POOL WITH VARIED WATER DEPTHS, 3'-0" - 4'-6"
PROGRAM SOCIAL POOL			1	6,500	6,500	FREEFORM POOL WITH COMBINATION OF FITNESS LANES, SHALLOW WARM WATER - 0'-0" - 4'-6"
DIVING POOL			1	3,200	3,200	40' X 75'; WATER DEPTH 16'-0" TO 16'-6" FOR UP TO 10-METER PLATFORM AND MULTIPLE SPRING BOARDS
SPA POOL			1	250	250	CAPACITY FOR UP TO 18-20 BATHERS
INDOOR POOL DECK			1	29,450	29,450	1:1 RATIO W/ PROGRAMMED WATER SURFACE AREA
NATATORIUM DECK RESTROOMS			2	70	140	

	OUTDOOR POOL DECK			1	6,000		NOT INCLUDED IN CALCULATION OF INDOOR POOL SPACE
	OUTDOOR DECK STORAGE (CANOE, KAYAK, FURNITURE, ETC.)			1	1,500		NOT INCLUDED IN CALCULATION OF INDOOR POOL SPACE

SUBTOTAL **59,040**

SPECTATOR AREAS

	PUBLIC SEATING SPACE - SPECTATOR SEATING			1,000	7	7,000	APPROXIMATELY 400 PERMANENT SEATS + 600 PORTABLE BLEACHER SEATS
	NATATORIUM FLEX SPACE			1	4,000		ADDITIONAL TRAINING OR EVENT SPACE WHEN SEATS ARE RETRACTED
	BLEACHER / EQUIPMENT STORAGE			1	750	750	
	OFFICIALS SEATING SPACE			10	10	100	
	CONCESSIONS			1	200	200	APPROXIMATELY 10'X20' WITH 15-16 LF OF SERVICE COUNTER / 2-3 POS
	CONCESSIONS STORAGE			1	150	150	ACCESSIBLE FROM CONCESSION; ICE MACHINE
	MERCHANDISE SALES / PRO SHOP			1	240	240	NEAR CONCESSIONS AND ACCESSIBLE TO SPECTABLE SEATING
	SPECTATOR DRYSIDE RESTROOM - MEN			1	200	200	4 WC, 4 URINALS, 3 LAVS
	SPECTATOR DRYSIDE RESTROOM - WOMEN			1	200	200	6 WC, 5 LAVS
	FAMILY TOILET / RESTROOM			1	75	75	

SUBTOTAL **8,915**

PROGRAM SUPPORT SPACES

	RECREATION AQUATIC STAFF OFFICES			2	120	240	AQUATICS DIRECTOR; ASSISTANT AQUATICS DIRECTOR
	ATHLETIC COACHES OFFICES			6	120	720	ECU SWIM AND DIVING COACHES
	LIFE GUARD STAFF ROOM			1	150	150	
	ATHLETIC TRAINING / FIRST AIDE			1	250	250	
	MEET MANAGEMENT / COMMUNICATIONS ROOM			1	180	180	ROOM ADJACENT TO DECK FOR SCOREBOARD OPERATORS, BROADCAST AND OFFICIALS
	MULTIPURPOSE WET CLASSROOM			2	800	1,600	SHARED USE BY SWIM TEAMS, RECREATION PROGRAMS AND COMMUNITY
	WET CLASSROOM STORAGE			2	100	200	
	DRYLAND TRAINING AREA			1	1,600	1,600	TRAINING SPACE FOR TRAMPOLINE, DIVING BOARD PIT AND FOAM MATS
	STORAGE - WET GEAR BAGS			1	150	150	
	STORAGE - SCUBA GEAR EQUIPMENT			1	150	150	
	CLUB SPORT & MISC.TEAM STORAGE			5	80	400	ECU CLUB SWIM; PRIVATE SWIM CLUBS; COMMUNITY, ETC.

SUBTOTAL **4,680**

BACK-OF-HOUSE / BUILDING SERVICES

	STORAGE - TIMING EQUIPMENT			1	60	60	
	BROADCAST / AV EQUIPMENT ROOM			1	50	50	
	POOL EQUIPMENT STORAGE			1	1,500	1,500	STORAGE OF LANE LINE ROPES, LANE MARKERS AND OTHER POOL EQUIPMENT
	POOL MECHANICAL AREAS			1	3,500	3,500	
	CHEMICAL STORAGE ROOMS			3	80	240	
	CUSTODIAL ROOMS			2	150	300	
	LAUNDRY ROOM			1	300	300	
	LAUNDRY STORAGE			1	100	100	
	HOUSEKEEPING OFFICE			1	120	120	
	GENERAL BUILDING STORAGE / WORKSHOP			1	1,000	1,000	
	LOADING DOCK			1	500	500	
	LOADING DOCK RECEIVING AREA			1	200	200	

SUBTOTAL **7,870**

TOTAL ASSIGNABLE AREA (ASF) 92,145

GROSSING FACTOR - 1.25 (80% EFFICIENCY) 23,036

TOTAL GROSS BUILDING AREA 115,181

SITE UTILITY INFRASTRUCTURE

EAKIN STUDENT RECREATION CENTER



Electrical - The current Eakin Student Recreation Center electrical service was sized for the existing building without any capacity for expansion. It is recommended that a full electrical usage analysis be completed, but it is assumed electrical service will need to increase depending on the size and use of the expansion space. The existing main electrical switchboard can remain with a new switchboard added for the expansion; both served from the medium voltage transformer. Depending on the size of the expansion, the existing medium voltage transformer and feeders would need to be upgraded. The medium voltage electrical service is owned by the ECU campus and the preference would be to replace the existing transformer with a larger single transformer in the same location in lieu of reusing the existing one.

One possible expansion option would increase the ESRC building footprint with building expansion overtop the existing medium voltage feeders. In this case the electrical ductback should be relocated out from underneath the building; 20 ft away from the building is recommended.

A generator serves the ESRC fire pump and life safety systems. An analysis should be completed

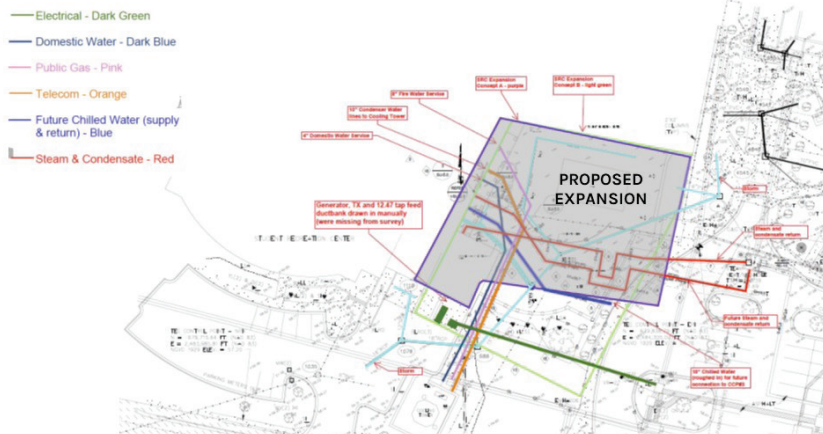
to determine if the generator has capacity to serve additional life safety systems in the building expansion. If the generator needs to be upgraded, we suggest replacing the current generator with a new one in the same location as the existing along with any additional modifications to the area.

Various options for the HVAC system are presented in the Mechanical portion of the narrative. One option is to provide all chilled water from central plant CCP#3. With this option the existing chillers, cooling towers, pumps and associated equipment currently located at the ESRC would be removed. An electrical load analysis should be completed, but with the removal of this electrical load a new electrical service and/or a larger transformer may not be required.

Mechanical - The ESRC is currently served by two 350 chillers with matched cooling towers for a total of 700 tons of cooling. Depending on the expansion size, it is projected an additional 300-400 tons will be required for the building. Neither the chillers nor cooling towers have the extra capacity to provide cooling for the expansion. A set of 10" chilled water pipes have been installed for a future connection to chiller plant CCP#3 but are currently not in use.

UTILITY OVERLAY DIAGRAM

STUDENT RECREATION CENTER – FUTURE EXPANSION



Depending on the size of the ESRC expansion these roughed-in pipes may not be large enough to serve the expanded building. Additionally, both proposed expansion options would locate the building overtop the condenser water piping and the roughed-in future chilled water piping. Whichever piping is used should be reconfigured to enter the building in a pipe riser near the building exterior so it won't be located under the building. Additionally, one expansion option would locate a pool overtop the piping so they will need to be removed from this area. Any piping not being reconfigured should be removed from under the new building.

Chiller plant CCP#3 does not have extra capacity to serve the ESRC building in either its current size or expanded size. Depending on the timing and size of the ESRC expansion three options can be considered:

1. Expand the chillers and cooling towers at the ESRC. The existing chillers have been recently rebuilt and are scheduled to be serviceable until 2030. New condenser water piping would be routed from the cooling towers to the chillers. The mechanical room would expand to provided space for a new chiller and associated components.
2. Expand CCP#3 to serve the entire ESRC building including the expansion. This would include new chillers, cooling tower, pumps, and associated system components.

3. Expand CCP#3 to serve only the expansion while continuing to use the existing ESRC chilled water system. Piping would be installed from CCP#3 to serve the entire building. This allows the central plant to expand again when the ESRC chilled water equipment is past its life expectancy.

The steam and steam condensate return system appears to have capacity to provide heating for the expansion. Once the expansion size and use are determined this should be confirmed. In the proposed expansion options the steam and condensate piping would be located under the new building expansion. Similar to the chiller and condenser water piping, the steam and condensate piping should be reconfigured to enter the building in a pipe riser inside the building but near the exterior. Also, the expansion option with a pool will require piping to be removed and rerouted.

The mechanical room will need to be expanded or a new one will need to be provided for the steam piping, pumps, heat exchanger and all associated system equipment.

Plumbing/Fire – With the ESRC expansion the domestic water and sprinkler piping would be located underneath the building. The fire pump and riser room would be blocked from exterior access so it should be relocated to a new exterior location. Both the domestic water piping and sprinkler water piping would be reconfigured to the new exterior riser and fire pump room and the piping would be routed inside the building.

Storm lines would be rerouted and reconfigured based on the building expansion. Also, if the option with a pool is selected, the storm drain piping will be rerouted to accommodate the pool.

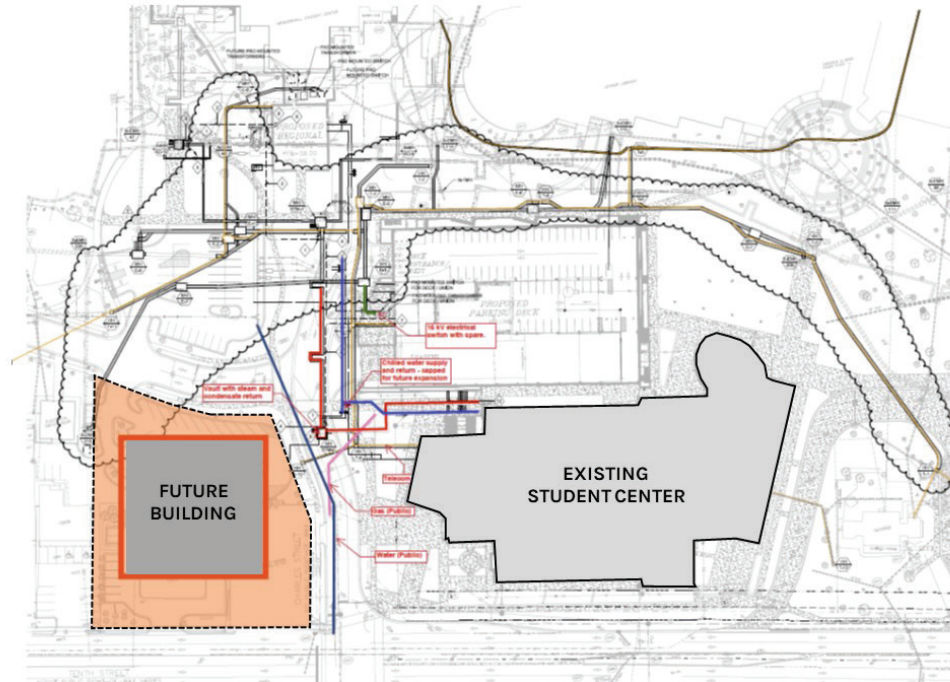
SITE UTILITY INFRASTRUCTURE

HEALTH, COUNSELING AND DEAN OF STUDENTS

UTILITY OVERLAY DIAGRAM

HEALTH, COUNSELING & DEAN OF STUDENTS - FUTURE SITE

- Electrical - Dark Green
- Domestic Water - Dark Blue
- Public Gas - Pink
- Telecom - Orange
- Future Chilled Water (supply & return) - Blue
- Steam & Condensate - Red



This site is not currently served by any ECU campus utilities. It does have public service utilities that will be removed back to the right of ways. Public service utilities will remain in the adjacent streets so coordination of the ECU utilities will need to be coordinated with these utilities and easements.

Electrical – The ECU campus provides medium voltage electrical service, and it would be extended to provide power for the new building. The electrical ductbank will be routed from the 15 kV switch installed on the west side of the Student Center. This switch has an extra bay which can be used to serve the Health Counseling building. A new medium voltage transformer will also be installed at the Health Counseling building.

Mechanical – Campus chilled water and steam were extended with the construction of the Student Center. Future connections have been provided which will be used for the Health Counseling building. Chilled water is located near the southwest corner of the Student Center with valves for a future connection. Steam and condensate return are in a vault located in Charles St. Chilled water, steam, and condensate piping will be extended under Charles St. to the Health Counseling Building. To accommodate the cooling needs for the building, the central plant will need to be expanded.

Plumbing/Fire – Public water is located in Charles St. and will need to be extended to serve the Health Counseling building. If gas is needed, public gas serve is also located in Charles St. Both sanitary and storm will need to be coordinated with the local public utility to provide serve for the new building.

SITE UTILITY INFRASTRUCTURE

BLOUNT RECREATIONAL SPORTS COMPLEX



Electrical – The campus electrical service does not provide power for this area. New electrical service will need to be brought in by the local utility provider. As a second option, the campus could expand their electrical service to the Complex. With this option the existing ECU buildings in the area would be removed from the local utility provided and power would be provided by the ECU campus electrical service.

Mechanical – This location does not have any campus heating or cooling systems as it is mostly athletic fields. The nearby Belk Building is served by an air-cooled chiller that is only sized to provide cooling for that building. If it is decided to locate the future recreation and aquatic centers at the Blount Recreational Sports Complex, two options are to be considered depending on funding and the possibility of future building expansion for the Complex.

1. Provide standalone chillers and heating system for the Recreation and Aquatic centers.
2. Expand the chillers at the Belk Building to develop a new remote central plant. This would serve the Belk Building, Recreation and Aquatic Centers as well as any future buildings on the site.

Plumbing/Fire – This location does not have services provided. New sewer, storm, domestic water, gas, and fire will need to be extended from the local public provider.

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