



Sam Houston State University

# 2020 Campus Master Plan

## Program Elements

The SHSU campus has been growing rapidly over the past decade. In order to plan for the next decade the master plan has set goals for Academic, Residential, Parking and Recreation/Athletic space that will need to be accommodated on the campus. These goals will not only meet current deficiencies, but also provide enough space for the campus to grow until the year 2020.

**JJR** in association with  
WHR, E&C, PCR

# historical growth trend

## Growth Trajectories

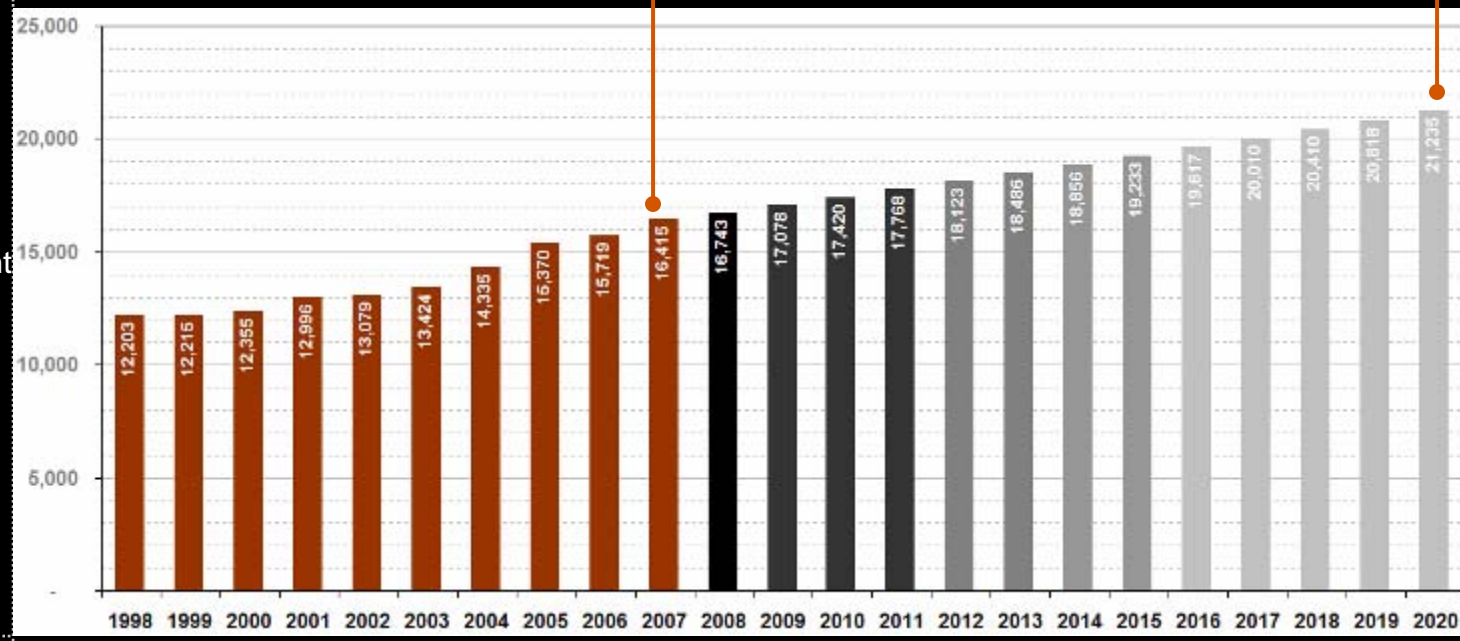
- The last 10 years have averaged 3.25% growth per year.
- Assuming 2.00% growth in the future, which is expected to be more likely, enrollment for the entire University will reach 21,000 students by 2020.

2020 – 21,000  
 Today – 16,234

**Legend:**

 Historic Enrollment

 Future Enrollment



# huntsville campus growth

## Growth Trajectories

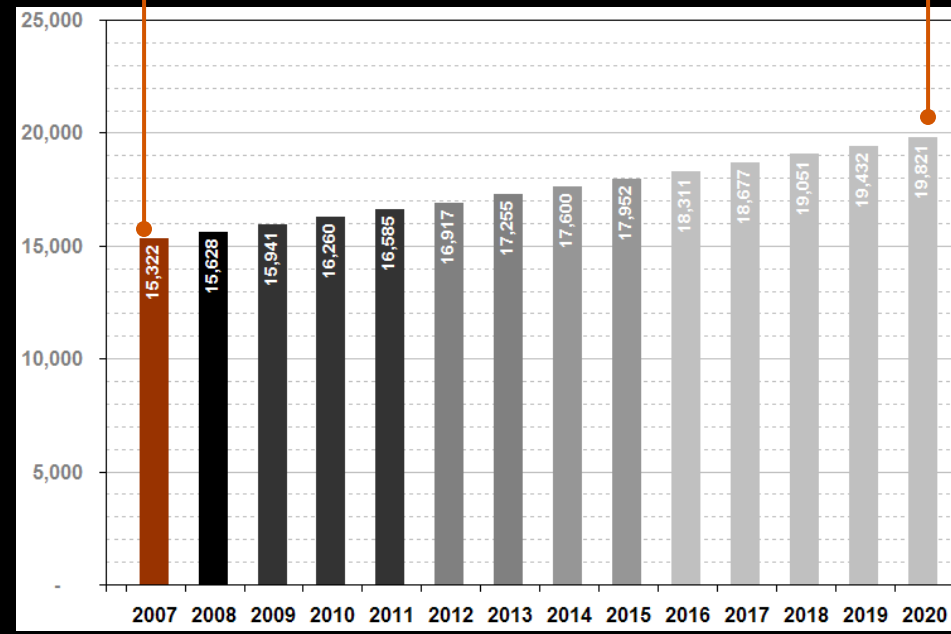
- Removing students assigned to the Woodlands, the Huntsville campus has 15,322 students today.
- At 2% growth, the Huntsville campus will reach 20,000 students by 2020.
- **The Master Plan is planning for 20,000 students.**

2020 – 20,000  
 Today – 15,322

**Legend:**

 Historic Enrollment

 Future Enrollment

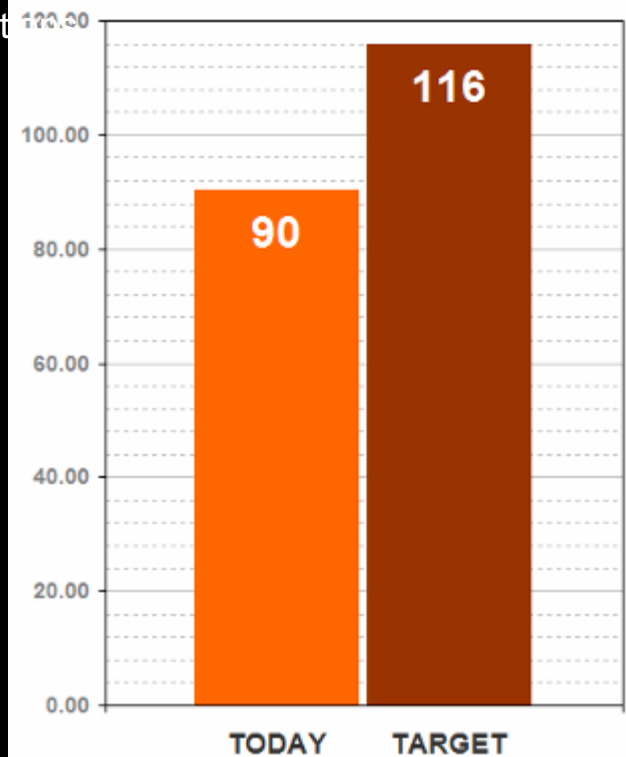
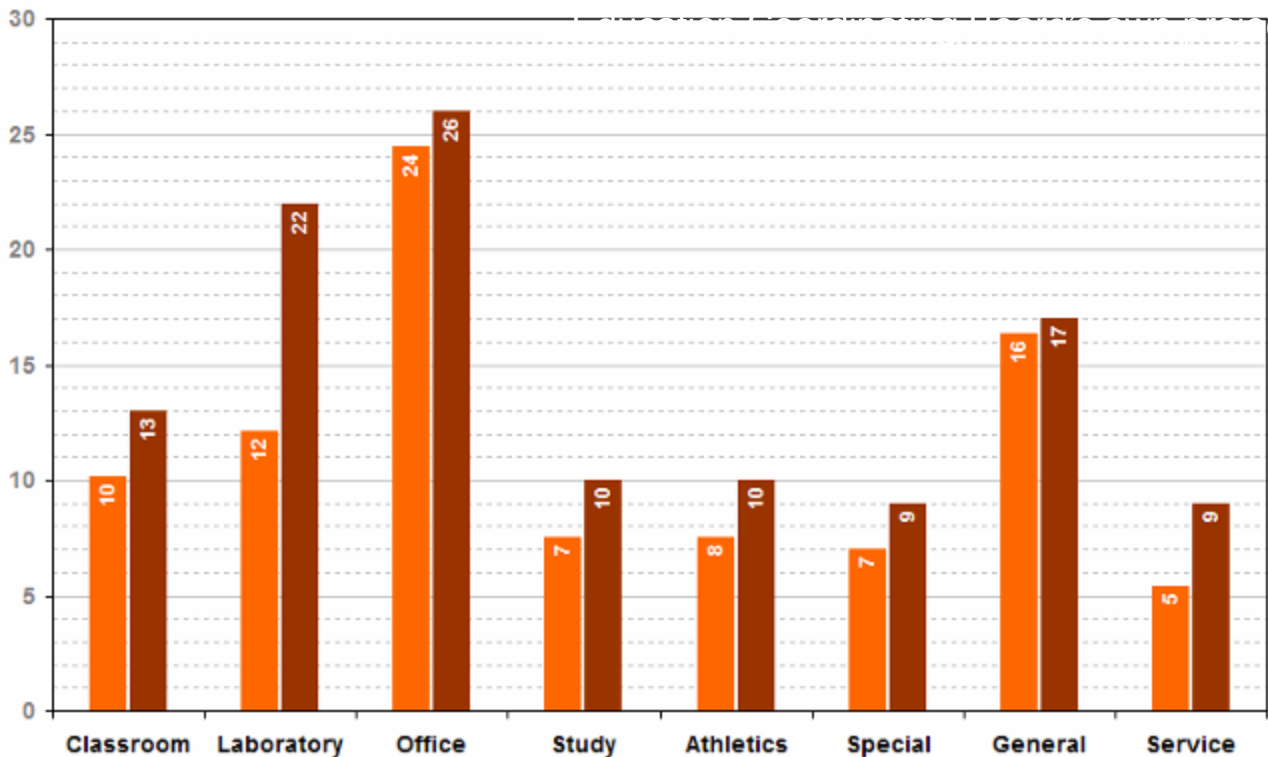


# academic projections

## Academic Space Needs

The charts below break down all academic space by type with the orange bars representing the amount of NASF per student that is allocated today on the Huntsville campus and the brown bars representing what the plan is targeting.

- These projections are based on the space available per student on the Huntsville Campus compared to peer institutions and the Texas Higher



# academic projections

## Overview:

Based on the goals for each space type, the amount of academic space on the campus will need to grow quite a bit. The 2020 number below will make up for current deficiencies and allow for future growth up to 20,000 students on the Huntsville Campus.

## Today:

- 2,628,913 GSF (including AB5 and PAC)
- 90 NASF/Student

## 2020:

- 3,527,755 GSF
- 116 NASF/Student

## New:

- 1,143,842 GSF



# residential projections

## Overview:

Residential projections are based on the percentage of students that will be housed on campus and the type of housing that will be provided. The University will maintain 20% on-campus housing in the future. Using a Raven Village as a model for future housing, approximately 400 GSF will be provided for each new bed provided in the plan.

## Today:

- 1,193,731 GSF
- 3,269 Beds
- 21% of 15,322
- 365 GSF/Bed

## 2020:

- 1,486,131 GSF
- 4,000 Beds
- 20% of 20,000
- 400 GSF/Bed for new facilities

## New:

- 292,400 GSF
- 731 Beds





# parking projections

## Overview:

Future parking needs are based on how much parking is provided on campus today. A more detailed parking utilization study is recommended to follow the master plan to determine if this number is right for the SHSU campus. However, based on the analysis of parking at other institutions below, the total amount of parking being planned for should be more than adequate if it is properly distributed.

## Parking Ratios from other Institutions:

Boston College	9.2 to 1
UC Berkeley	5.8 to 1
University of Oklahoma	4.6 to 1
Carnegie Mellon University	4.2 to 1
University of Chicago	4.1 to 1
Old Dominion University	3.6 to 1
University of Miami	3.1 to 1
<i>National Average*</i>	<i>2.8 to 1</i>
UCLA	2.8 to 1
Cornell University	2.5 to 1
<b>SHSU</b>	<b>2.2 to 1</b>
UT Arlington	2.0 to 1
Oklahoma State University	1.9 to 1
Grand Valley State University	1.7 to 1
Lamar University	1.5 to 1

\*ENO Foundation for Transportation, Inc.



# parking projections

## Today:

- 7,689 spaces
- 6,907 surface spaces on 60 acres
- 782 in structures
- 10% structured parking
- Overall parking ratio: 2.2 people per space

## 2020:

- At the existing parking ratio of 2.2
- 10,040 total spaces will be needed
- Without any new decks, 74 acres of surface parking will be needed
- With 3 new decks like the existing one, 60 acres of parking would be needed.

## New:

- 2,351 spaces
- 15 acres additional of surface parking or 3 new decks at 600 spaces each.
- Note: the current parking efficiency can be improved, which will reduce the overall need.





# field projections

## Overview:

Indoor Recreation and Athletic facilities are planned for under academic space projections. The projections below describe field area that needs to be planned for.

## Athletic Fields

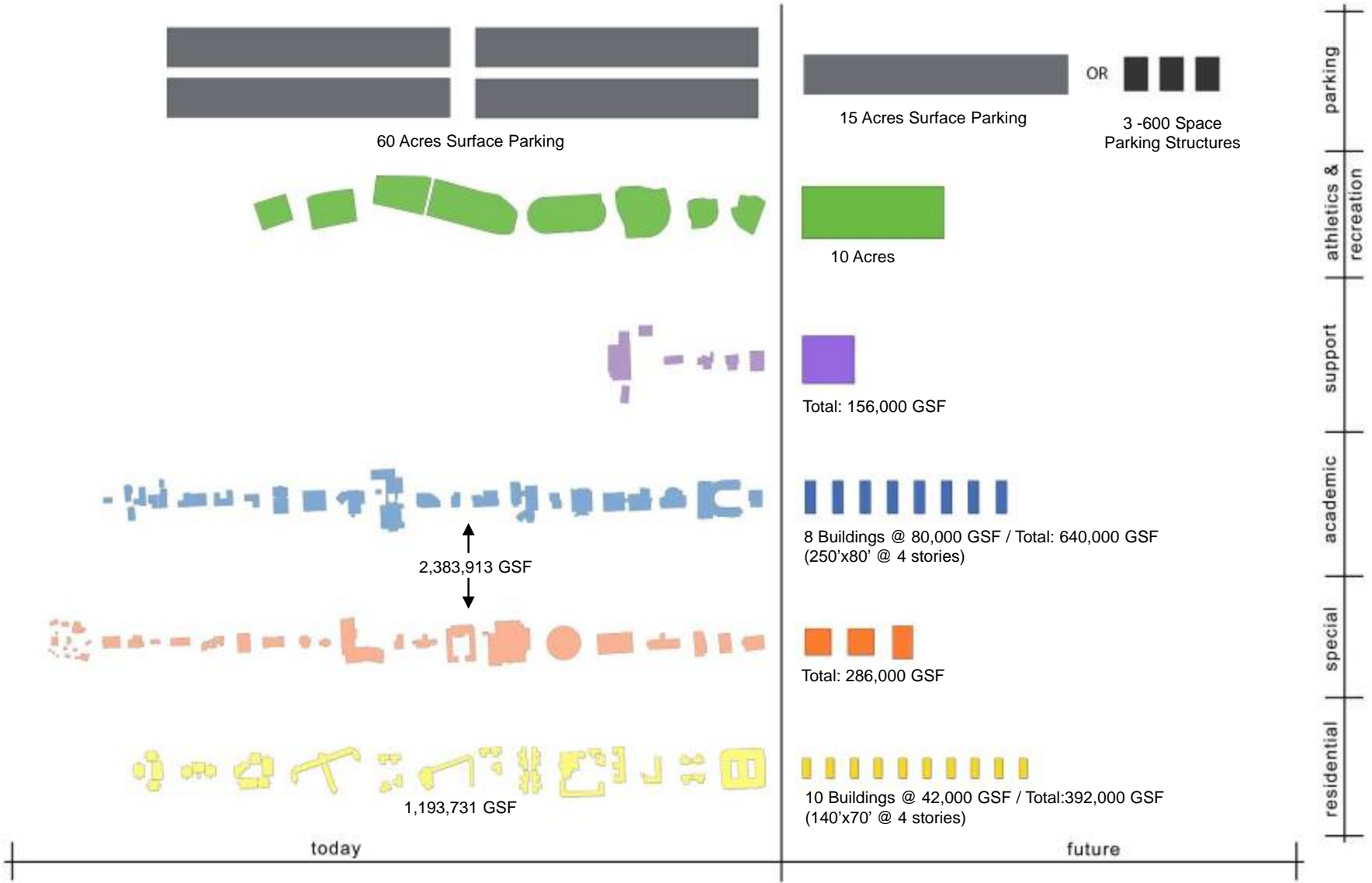
- Based primarily on needs.
- There were no requests for additional athletic fields.

## Recreation Fields

- Based on demand and need.
- Information from Student Services has projected a need for 10 additional acres of fields.



# summary of projections



**Overview:** The diagram above expresses all of the program elements needed in the future in graphic format on the right with the existing elements on the left.

# The Challenge

Additional  
10 Acres  
Residential

Additional  
18 Acres  
Residential

Additional  
25 Acres  
Academic

Total of  
74 Acres  
Parking



### Overview:

The circles on the left illustrate the approximate amount of land that will be needed for the future program elements.

The alternatives will attempt to arrange the program elements on the campus by increasing density, infilling unused sites, and exploring expansions opportunities.

