UTRGV GET CONNECTED.

Animated splash page graphic fades to reveal the master plan home page.
Explore the Master Plan through:

- **Time**
  - Timeline
  - Explore UTRGV by locations for the 5, 10, 15 year timeframes

- **Type**
  - Trends
  - Explore master plan analytics:
    - THECB Space Methodology + Model
    - Capital Projects 5, 10, 15 Years
    - Strategic Initiatives 5, 10, 15 Years
    - Real Estate + Leases
    - Research 5, 10, 15 Years
      - Thematic Organization
      - Future Locations by Focus + Core Technologies
      - Research Space Growth
      - Capital Projects Schedule
    - Learning 5, 10, 15 Years
      - Typology Organization
      - Future Locations by Optimization Strategies, FTEs
      - Learning Space Growth
      - Capital Projects Schedule
    - Connectivity 5, 10, 15 Years
      - Transportation 5, 10, 15 Years
        - Bus Rapid Transit Geography + Schedule
        - Route Maps
      - IT Connectivity 5, 10, 15 Years
        - Digital Specs
      - Housing Vision
    - Support 5, 10, 15 Years
      - Library 5, 10, 15 Years
      - Student Union 5, 10, 15 Years
      - Recreation 5, 10, 15 Years

- **Location**
  - Map

This interactive site map for the Master Plan website links directly to each section of the PDF.
Explore the Master Plan through an interactive timeline and charts displaying future trends and major milestones.

Explore the Master Plan through an in-depth look at Research, Learning, Support, and Connectivity.

Explore the Master Plan using an interactive map that tracks progress throughout the Rio Grande Valley.
To be one of the nation's leaders in higher education, its premier Hispanic-serving institution, and a highly engaged bilingual university, with exceptional educational, research, and creative opportunities that serve as catalysts for transformation in the Rio Grande Valley and beyond.

Create a singular UTRGV that successfully operates in a distributed model across the Rio Grande Valley supported with the optimal research, digital, and physical infrastructure for achieving an integrated operational, cultural and place-making impact.

The UTRGV Master Plan is intended to be a bridge between the visionary ambitions of the University, its strategic goals and the practicalities of operational implementation. The master plan is driven not only by identifying the real estate needs for a growing, decentralized, and responsive university, but also by integrating value driven academic, operational and contextual initiatives that enable the master plan and its goals to be realistically achieved.
Master/Strategic Plan Priorities

**Student Success**
Support students in reaching their academic and professional potential.

**Educational Opportunities**
Expand educational opportunities to increase experiential learning, creative endeavors, and community engaged scholarship.

**Research**
Increase the number and productivity of faculty and students engaged in research and creative work.

**Health + Medical Education**
Promote a culture of health and well-being by employing a holistic approach to wellness, health, medical education, training, and research.

**Community Engagement**
Foster sustainable community-university relationships to enrich scholarship, research, teaching, and creative activity while addressing critical societal issues.
The intent of the master plan is to achieve the most growth, greatest accessibility and maximum positive impact for the most effective investment. This will be achieved by leveraging existing locations and resources, increasing efficiency and productivity and by the optimization of transportation & IT infrastructure.
Moving from master planning into detailed planning and implementation requires a team with the empowerment to take on not only the development of facilities, but also business and operations planning. During the first six months following the completion of the Master Plan, this team would undertake detailed planning and prioritization of initiatives in enrollment planning, new program development, faculty/staff recruitment, financial planning, marketing and organizational change. During the second 6 months this team will proceed into progressive implementation of priority initiatives.

### 0 - 6 Months
- Enrollment, Staff + Faculty Growth Model
- Facility Utilization Improvement Plans
- Renovation Planning for Academic Hubs
- Solutions + Impact Focused, Theme-Based, Centers of Excellence Research Strategy
- Tech. Investment + Management Plan
- Library Strategic + Operations Plan
- Support Services + Administration Strategic Plan
- Sports + Recreation Funding Plan
- Transit:
  - Immediate Service Improvement Plan
  - Bus Rapid Transit (BRT) Federal Funding Planning
- Data:
  - Network Connectivity Implementation Plan

### 6 - 12 Months
- Marketing Roll Out for the Academic Hubs
- Hiring Strategy Roll Out
- AIME Sites Evaluation + Expansion Planning
- DHR Space Allocation + Research Plan
- Principal Investigator Hiring Plan + Implementation
- Library Expansions + Renovations Planning
- Support Services + Administration Planning
- Unions Expansion Planning
- Transit:
  - Partner Engagement in Planning
  - Advanced Planning + Design
- Data:
  - Expand High Definition (HD) Network to all locations
This table illustrates the capital projects required by UTRGV over the next five to fifteen years. The assignable areas for each project have been driven by inserting growth predictions for enrollment, research expenditures and Faculty / Staff population into a Space Prediction Model based on that used by the Texas Higher Education Coordinating Board. The results from the model were adapted to take into account the area and increased utilization of existing facilities, changes in the use of leased space, digital learning opportunities, new research methodologies and desired extent of decentralization. In addition national benchmarks were used to predict expansions of Union and sport / recreation facilities, not covered by the Coordinating Board Model.

<table>
<thead>
<tr>
<th>5 YR</th>
<th>10 YR</th>
<th>15 YR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Enrollment:</strong></td>
<td><strong>Enrollment:</strong></td>
<td><strong>Enrollment:</strong></td>
</tr>
<tr>
<td>26,383 FTE</td>
<td>32,420 FTE</td>
<td>39,373 FTE</td>
</tr>
<tr>
<td><strong>Research:</strong></td>
<td><strong>Research:</strong></td>
<td><strong>Research:</strong></td>
</tr>
<tr>
<td>$40 M</td>
<td>$77.5 M</td>
<td>$150 M</td>
</tr>
</tbody>
</table>

- +10% Utilization Improvements Harlingen Renovation
- 99,000 GSF
- 6-24 AIME Site Expansions
- Academic Hub Renovations
- 40,000 GSF

- Library Book Repository
- 100,000 GSF
- Library Expansion Brownsville + Edinburg
- 300,000 GSF
- Admin + Support Services Buildings
- 230,000 GSF
- Union Expansion Brownsville + Edinburg
- 175,000 GSF
- Brownsville + Edinburg Recreation Upgrades

- Library Expansion Harlingen
- 50,000 GSF
- Library Expansion Brownsville + Edinburg
- 130,000 GSF
- Admin + Support Services Buildings
- 125,000 GSF
- Mixed Use Conference Center Edinburg
- 50,000 GSF

- Library Expansions
- 200,000 GSF
- Admin + Support Services Buildings
- 155,000 GSF
- Brownsville Recreation Center
- 100,000 GSF
- Edinburg Wellness Center
- 50,000 GSF
- Edinburg Recreation + Sport Fields

- Bus Rapid Transit Service
- HD Data Network links all connections
- Bus Rapid Transit & Academic Hubs Park + Rides
- HD Data Network links all connections
- Transit Expansion to Secondary Networks
- HD Data Network links all connections

- Harlingen Health Sciences
- 130,000 GSF
- Port Isabel Coast + Oceans
- 130,000 GSF

- Brownsville + Edinburg Interdisciplinary Research
- 420,000 GSF
- Weslaco Earth + Environment, Business
- 210,000 GSF
- McAllen Health Sciences
- 210,000 GSF

- Doctors Hospital At Renaissance
- 83,000 GSF
- Complete McAllen Advanced Manufacturing
- 40,000 GSF

- Weslaco + McAllen Expansions
- 40,000 GSF
- Weslaco + McAllen Expansions
- 100,000 GSF

- Weslaco Health Sciences
- 130,000 GSF
- Weslaco Earth + Environment, Business
- 210,000 GSF
- McAllen Health Sciences
- 210,000 GSF

- Brownsville + Edinburg Recreation Upgrades
- 100,000 GSF
- Brownsville + Edinburg Recreation Upgrades
- 100,000 GSF

- Weslaco Recreation Center
- 50,000 GSF
- Weslaco Recreation Center
- 50,000 GSF
- Weslaco Recreation Center
- 50,000 GSF
UTRGV’s vision is to undertake solutions focused research that delivers positive social, economic and cultural impact to the Rio Grande Valley. Along with its goal to achieve Research University Status (Tier 1 equivalent) in the next 15 years this means substantial investment, not just in facilities, but also in new faculty hires, increases in research productivity and growth in PhD programs.

Solutions focused research at UTRGV aligns the unique strengths of UTRGV with Valley-wide needs and is divided into four strategic themes: Health + Wellness, Innovation, Education, and Environment. To operate successfully in a distributed model a series of thematic clusters has been aligned with the context of particular locations across Valley anchored by interdisciplinary clusters. These centers of excellence contain unique technologies and knowledge management resources related to their particular research activities. Research undertaken by the College of Education and P16 Integration would occur in all locations. The integrated fifteen-year growth strategy for research will require growth in Research Faculty numbers to 350-400, doubling research productivity and the development of around 16 PhD programs producing about one hundred and thirty PhD graduates per year.
Learning

Over the next fifteen years, learning at UTRGV will evolve into a distributed model focused on increasing accessibility and outcomes across the Valley, while the majority of learning will remain in Edinburg and Brownsville, and an expanded Harlingen Site, the existing, improved Academic Hubs, coupled with expanded Community Hubs will offer learning and student services, integrated with research and community resources linked by high definition digital and Bus Rapid Transit networks.

**CAMPUS/SITES**

Learning Space Utilization

- **2017**: 35%
- **2022**: 45%
- **2027**: 55%
- **2032**: 65%

**ACADEMIC HUBS**

Witnessing the existence of upgraded UTRGV sites linked by the BRT spine and an HD network. They offer classes, study space, and hybrid learning resources integrated with hybrid library and student services.

- **Existing Academic Hubs**: Rio Grande City, Weslaco, McAllen, Port Isabel / SPI

**COMMUNITY HUBS**

- **Existing AIME Sites**: Alamo Resource Center, City of La Feria Facility, San Carlos Center, El Paraíso Facility, Proyecto Desarrollo Humano, La Victoria Facility

**POP-UP HUBS**

- **Pop-Up Hubs**: Small interventions at existing retail or community-owned sites that spread awareness for UTRGV, provide student support services, have a Wi-Fi connection, or other needed services. These sites may be public libraries, health and community centers, high-traffic stores, or other public or private locations scattered throughout the Valley. No tenant improvement needed.

**Total FTE Enrollment (K)**

- **2017**: 21.7
- **2022**: 26.4
- **2027**: 32.4
- **2032**: 39.4
Support

The THECB Space projection model identified major deficiencies in library, support and office facilities. Benchmarking also identified deficiencies in student union, recreation and housing facilities. In order to meet current acceptable university standards and to accommodate future enrollment growth these facilities will need to be expanded significantly in the next 5, 10, and 15 years.

Library

The vision for future library services envisions an evolution from information storage to one of knowledge creation and management across the distributed UTRGV network. The first phase of this transformation involves investment in the creation of a new centralized book repository which will free space at Brownsville, Edinburg and Harlingen for much needed renovations and expansions of study, computer labs and multimedia space. As enrollment grows at the Academic Hubs, AIME sites and Pop Ups, library services will be progressively scaled up using a mixture of human and digital connectivity. As research expands at the specialized sites, library resources will be relocated to assist in discovery and socio economic impact.

- **2022:** 400,000 GSF
- **2027:** 130,000 GSF
- **2032:** 200,000 GSF

Student Union

To meet existing needs as well as future growth, existing student unions will be renovated and expanded.

- **2022:** 175,000 GSF
- **2027:** 50,000 GSF
- **2032:** As needed

Housing

A detailed housing study is required to determine the locations, types, market targets and pricing of housing. Likely additions will include graduate housing in Weslaco, medical-student housing in Edinburg, and student residence halls on all three campuses/sites.

- **2022:** 230,000 GSF
- **2027:** 125,000 GSF
- **2032:** 155,000 GSF

Recreation

Major upgrades to the fields and new wellness facilities in Edinburg. Redesign of the Duckhead at Brownsville with new trails, outlooks, and fields.

- **2022:** Fields and Trails upgrades
- **2027:** Fields Expansion
- **2032:** 150,000 GSF

Additional Support Area GSF

- **2022:** 845 GSF
- **2027:** 355 GSF
- **2032:** 495 GSF
Interconnectivity is especially important in a distributed University. The proposed Bus Rapid Transit (BRT) network and supplementary shuttles connect students to all campuses/sites and each academic hub. High-speed internet is equally important to ensure a fully connected campus. A high-speed data/fiber network provides this service, with substantial upgrades made to each UTRGV site. Both the transportation and data networks are in the planning stages, with data upgrades occurring over the next 5 years and BRT service starting in 2018.
CAPITAL PROJECTS 2022, 2027, 2032
Explore the map for projects by location.
CAPITAL PROJECTS 2022, 2027, 2032
Explore the map for projects by location.

RIO GRANDE CITY

2022
- 16K GSF Upper Level Center Renovation

1. RIO GRANDE CITY
2. COMMUNITY HUBS (AIME SITES)
3. McALLEN
4. EDINBURG
5. WESLACO
6. HARLINGEN
7. BROWNSVILLE
8. PORT ISABEL / SOUTH PADRE ISLAND
CAPITAL PROJECTS 2022, 2027, 2032
Explore the map for projects by location.

LOCATION

COMMUNITY HUBS (AIME)

2022
- Initial 6 sites expanded to 24 locations

2027
- 20K GSF transitioned into formal learning

1. RIO GRANDE CITY
2. COMMUNITY HUBS (AIME SITES)
3. McALLEN
4. EDINBURG
5. WESLACO
6. HARLINGEN
7. BROWNSVILLE
8. PORT ISABEL / SOUTH PADRE ISLAND

About Site Map Home Executive Summary Español
CAPITAL PROJECTS 2022, 2027, 2032

Explore the map for projects by location.

**McALLEN**

- **2022**
  - 83K GSF DHR Research Facility
  - 12K GSF McAllen Teaching Center Renovation
  - 40K GSF Advanced Manufacturing Center Renovation

- **2027**
  - 20K GSF Academic Hub Expansion
  - 12K GSF Library Expansion
  - 30K GSF Support Services Building
  - Park + Ride Facility + Transit Center

- **2032**
  - 50K GSF Academic Hub Expansion
  - 210 GSF Research Building
  - 50K GSF Library Expansion

1. RIO GRANDE CITY
2. COMMUNITY HUBS (AIME SITES)
3. McALLEN
4. EDINBURG
5. WESLACO
6. HARLINGEN
7. BROWNSVILLE
8. PORT ISABEL / SOUTH PADRE ISLAND

**LOCATION**

**RESEARCH**

**LEARNING**

**SUPPORT**

**CONNECTIVITY**

Explore the map for projects by location.
CAPITAL PROJECTS 2022, 2027, 2032
Explore the map for projects by location.

EDINBURG
2022
- 109K GSF Science Building
- 75K GSF Interdisciplinary Engineering + Academic Building
- 150K GSF Library Renovation
- Student Union Expansion + Renovation
- 75K GSF Support Services
- Intramural Fields Upgrades

2027
- 75K GSF Multi-Disciplinary Academic Building
- 50K GSF Mixed Use Conference Center
- 45K GSF Library Expansion
- New Central Utility Plant
- Schunior Street Expansion
- Van Week Street Pedestrian Corridor

2032
- 100K GSF Multi-Disciplinary Academic Building
- 210K GSF Interdisciplinary Research Bldg
- 50K GSF Wellness Center
- Recreation + Sports Fields
- Student Housing
- 60K GSF Support Services

LOCATION
1 RIO GRANDE CITY
2 COMMUNITY HUBS (AIME SITES)
3 McALLEN
4 EDINBURG
5 WESLACO
6 HARLINGEN
7 BROWNSVILLE
8 PORT ISABEL / SOUTH PADRE ISLAND
CAPITAL PROJECTS 2022, 2027, 2032
Explore the map for projects by location.

WESLACO

2022
- 16K GSF Weslaco Innovation and Commercialization Center + Expansion

2027
- 20K GSF Academic Hub Expansion
- 12K GSF Library Expansion
- 30K GSF Support Services Building
- Park + Ride Facility + Transit Center

2032
- 50K GSF Academic Hub Expansion
- 210 GSF Research Building
- 50K GSF Library Expansion
- Student Housing

LOCATION

1. RIO GRANDE CITY
2. COMMUNITY HUBS (AIME SITES)
3. McALLEN
4. EDINBURG
5. WESLACO
6. HARLINGEN
7. BROWNSVILLE
8. PORT ISABEL / SOUTH PADRE ISLAND
CAPITAL PROJECTS 2022, 2027, 2032
Explore the map for projects by location.

HARLINGEN

2022
- 99K GSF CEBL Renovation
- 33K GSF Harlingen University Center Renovation

2027
- 130K GSF Health Sciences Research Bldg
- 100K GSF Health Sciences Academic Bldg
- 50K GSF Mixed-Use Library + Recreation Expansion
- 30K GSF Support Services Building
- Park + Ride Facility + Transit Center

2032
- 100K GSF Academic Building
- 50K GSF Library Expansion
CAPITAL PROJECTS 2022, 2027, 2032
Explore the map for projects by location.

BROWNSVILLE

2022
- 55K GSF Interdisciplinary Academic Bldg
- 103K GSF Music, Science & Learning Ctr
- 150K GSF Library
- 75K GSF Student Union Expansion
- 75K GSF Support Services
- Central Plant Upgrades
- Duckhead Recreation Upgrades

2027
- 75K GSF Multi-Disciplinary Academic Building
- 45K GSF Library Expansion
- New Central Utility Plant

2032
- 100K GSF Multi-Disciplinary Academic Building
- 210K GSF Interdisciplinary Research Bldg
- 100K GSF Recreation Center
- 50K GSF Library Expansion
- 60K GSF Support Services

LOCATION
1. RIO GRANDE CITY
2. COMMUNITY HUBS (AIME SITES)
3. McALLEN
4. EDINBURG
5. WESLACO
6. HARLINGEN
7. BROWNSVILLE
8. PORT ISABEL / SOUTH PADRE ISLAND
CAPITAL PROJECTS 2022, 2027, 2032
Explore the map for projects by location.
At 2.5m sq ft, Edinburg is the largest of the UTRGV sites. In updating the 2012 master plan study to meet current and future projections we have followed its design guidelines which illustrated expansion to the north and west of the main site and have projected new real estate development targets in the same locations. As illustrated, the major change to the previous plan is in the speed and types of development. With academic growth being balanced across the UTRGV network, development on the existing Edinburg site will initially be in library, student union, support, recreation and administrative facilities, followed by later developments for learning and research.

**LOCATION**

Edinburg

* In construction  |  ** Not shown on map
The 2013 Brownsville master plan suggested aggressive real estate development on newly acquired land. In updating it we have matched real estate development with new academic targets, lease space reevaluations, available land and upgrades to alleviate operational deficiencies. In following the 2013 design guidelines we have maintained existing building locations, but adjusted the types and speed of delivery. With growth being balanced across the decentralized UTRGV network, development at Brownsville will initially be in library, student union, support, recreation and administrative facilities. Expansion in learning and research will occur as growth targets are met in later years.

* In construction | ** Not shown on map

### LOCATION

**Brownsville**

The 2013 Brownsville master plan suggested aggressive real estate development on newly acquired land. In updating it we have matched real estate development with new academic targets, lease space reevaluations, available land and upgrades to alleviate operational deficiencies. In following the 2013 design guidelines we have maintained existing building locations, but adjusted the types and speed of delivery. With growth being balanced across the decentralized UTRGV network, development at Brownsville will initially be in library, student union, support, recreation and administrative facilities. Expansion in learning and research will occur as growth targets are met in later years.

* In construction | ** Not shown on map

### 2022
1. 103K GSF Academic Building*  
2. 55K GSF MultiPurpose Building*  
3. 50K GSF Library Renovation  
4. 150K GSF Library  
5. 75K GSF New Student Union  
6. 75K GSF Support Services  
7. Central Plant Upgrades  
8. Duckhead Recreation Upgrades

### 2027
9. 75K GSF Multi-Disciplinary Academic Building  
10. 45K GSF Library Expansion  
11. New Central Utility Plant

### 2032
12. 100K GSF Multi-Disciplinary Academic Building  
13. 210K GSF Interdisciplinary Research Building  
14. 100K GSF Recreation Center  
15. 50K GSF Library Expansion  
16. 60K GSF Support Services Building  
17. Student Housing
In conjunction with expanded use of the Harlingen University Center, the Harlingen site will be expanded to offer an integrated academic health sciences and a regional transit hub. Initial renovations will relocate Medical School and administrative offices to create expanded learning space for the School of Nursing. Later phases will include upgrades to the smart hospital, expansion of learning, library and support services, a new research building and housing.

LOCATION

Harlingen

* In construction | ** Not shown on map
ABOUT THE UTRGV MASTER PLAN:

The goal of the master plan is to define the requirements of a singular University that successfully operates in a distributed model across the Rio Grande Valley supported with the optimal research, digital and physical infrastructure for achieving an integrated cultural, operational and place-making transformative impact.
This website represents the culmination of a series of workshops, meetings, data gathering and design exercises undertaken to establish a Regional Strategic Master Plan for the University of Texas at Rio Grande Valley (UTRGV). Undertaken between January and December 2016, the project was led by President Guy Bailey and his Executive Leadership Team at UTRGV with the Cannon Design / Overland Partners / Arup consultant team providing academic planning, engagement and design.

The scope of the project was as follows:

1. Engage with Executive Leadership and other Stakeholders to develop the vision, mission and goals for the transformation to an integrated regional multi-campus university
2. Assess the existing strategic planning and legacy campus master plans in order to formulate prioritized transformation strategies
3. Establish the current location and extent of UTRGV’s regional land and building ownership including leases and potential purchases
4. Develop a high level ‘future state’ roadmap that articulates the growth of the University by priority initiatives (e.g. community hubs) and priority locations for academic, research and auxiliary functions over these periods. This includes THECB (and other agreed benchmarks) space requirements for UTRGV over 5, 10 and 15- year time scales
5. Determine optimum locations for IT and transportation infrastructure
UTRGV Master Plan Participants

Executive Leadership Team

Guy Bailey              President, UTRGV
Rick Anderson        Executive Vice President for Finance and Administration
Janna Arney            Deputy President
Marty Baylor            Executive Vice President for Finance and Administration (Retired)
Kelly Scrivner            Vice President for Institutional Advancement
Veronica Gonzales  Vice President for Governmental and Community Relations
Theresa Maldonado    Senior Vice President for Research, Innovation, and Economic Development (Former)
Havidan Rodriguez  Provost and Executive Vice President for Academic Affairs

Design Team

Laura Lara, University of Texas System OFPC, Senior Project Manager
Kevin Dunphy, Designer
Jill Kurth, Associate Vice President, Academic and Planning Strategist
Charles Smith, Principal, Planning and Architecture Leader
Mark Whiteley, Principal, Academic, School of Medicine and Planning Leader
Robyn Wolochow, Designer

Overland Partners

Rick Archer, Principal in Charge
Allison Hu, Architect
Aaron Stone, Designer
Samantha Whitney Schwarze, Project Manager

Website Design

Jose Luis Quezada, Systems Analyst II
Jesus Torres, Graphics Designer

Arup

Steve Done, Principal
Ryan Falconer, Associate Principal Transportation Planner
Chris Brosz, Engineer
Stakeholder Team

Steve Block, Dean College of Fine Arts
Letty Benavides, Assistant Vice President for Campus Auxiliary Services
Cynthia Brown, Deputy Provost
Susan Brown, Assistant Vice President Strategic Analysis & Institutional Reporting
Kristin Croyle, Vice President for Student Success
Walter Diaz, Dean, College of Liberal Arts
Alex Domijan, Dean of the College of Engineering and Computer Science
Irv Downing, Assoc. VP, Economic Development (Former)
Maggie Hinojosa, Vice President for Strategic Enrollment
Jeff Graham, Chief Information Officer
Parwinder Grewal, Dean, College of Sciences
Rodney Gomez, Director of Parking & Transportation
Miguel Gonzalez, Associate Vice President, Sponsored Programs & Research Compliance
Patrick Gonzales, Associate VP University Marketing and Communications
Andreas Holzenburg, Assoc. Vice President, Shared Research Infrastructure
Travis Hughes, Director of University Recreation
Mark Kroll, Dean College of Business & Entrepreneurship
Michael Lehker, Dean, College of Health Affairs

Steven Lieberman, Interim Dean, School of Medicine (Former)
Tom Logan, Valley Metro Representative
Patty McHatton, Dean, College of Education and P16 Integration
Jackie Michel, Assistant Vice President for Research Translation
Jose Luis Quezada, Systems Analyst II
Kumar Raman, IT Dir of App Development and Collaborative Technologies
Isai Ramirez, Associate Information Officer For Business Relationships
Alma Rodriguez, Associate Dean for Assessment and Accreditation, College of Education and P16 Integration
John Ronnau, Senior Associate Dean for Interprofessional Education
Marta Salinas-Hovar, Associate Vice President for Facilities Planning and Operations
Richard Sanchez, Associate Vice President for Governmental Relations
Paul Sharpe, University Librarian
Laurie Simmons, Manager, Center for Innovation and Commercialization
Lisa Smith, Executive Assistant to the Provost and EVP for Academic Affairs
Kristina Stillsmoking, Director of the Simulation Hospital
Cris Trejo, Assistant Vice President for Community Engagement and Assessment
Project Schedule

The Master Plan project comprised of four interlinked project phases.

1. **Scope Definition:**
Understanding the University priorities for the study unearthed the need for the focus to be on defining the academic and auxiliary services infrastructure required to support increasing enrollment, especially in graduate programs, and growth in research expenditures. Physical and digital connectivity in a decentralized approach was also important. Sports was excluded while housing was to be the subject of future study.

2. **Current State Baseline:**
In parallel with understanding and articulating the existing status of UTRGV physical, academic and connectivity resources, the team developed metrics, benchmarks and a real estate calculation methodology based on the models under consideration by the Texas Higher Education Coordinating Board.

3. **Future State Roadmap:**
Using the previously agreed metrics and calculation methodology the design team engaged the stakeholders to develop a real estate roadmap which integrated growth in enrollment and research expenditures and maximum community impact with the most cost effective use of physical and digital infrastructure. The Master Plan team explored the timing of growth and capital project initiation, the types of real estate required, the extent of realistic geographic decentralization and the associated digital and transportational requirements for optimal connectivity.

4. **Capital Projects Analysis:**
The team refined the types of projects, their size, location prioritization and timing. This was cross referenced with a transformative Academic Plan, the Strategic Plan and a capital cost model. During this period, the design team developed the UTRGV Master Plan web site.
Project Schedule

The design team engaged with the stakeholder groups on seven occasions during the master planning process. These meetings took the form of decision making meetings with the Executive leadership team and focused workshops with over 40 stakeholders. The workshops integrated academic, operations, infrastructure and resource planning discussions across learning, research, library, union, community engagement, information technology and transportation.
Explore charted trends for milestones and growth

Explore future changes using the interactive timeline
**FEB 2018**
New Science Building East opens in Edinburg
115,000 GSF

**MAR 2018**
Planning begins for expansion of McAllen Advanced Manufacturing Research Facility
40,000 GSF

**APR 2018**
New Interdisciplinary Engineering and Academic building opens in Edinburg
55,160 GSF

**MAY 2018**
New Interdisciplinary Academic Building opens in Brownsville
54,770 GSF

**JAN 2018**
Planning begins for Harlingen Clinical Education Building (CEBL) Renovation
99,000 GSF

**JUN 2018**
Planning begins for Brownsville Library Expansion
150,000 GSF

**MAR 2018**
Planning for UTRGV support services building begins
150,000 GSF

**DEC 2018**
Weslaco Business Incubator opens
19,400 GSF

Data HD Network Expansion
Began NOV 2017, completes in DEC 2022.
**JAN 2019**

- New Music, Science & Learning Center opens in Brownsville
  - 102,500 GSF

**MAR 2019**

- Planning begins for Weslaco Business Incubator Expansion
  - 7,000 GSF

**JUL 2019**

- Planning begins for Edinburg & Brownsville recreation upgrades

**DEC 2019**

- Doctors Hospital at Renaissance (DHR) Research Building Opens
  - 83,000 GSF

**JAN 2019**

- Planning begins for Brownsville Student Union Expansion
  - 75,000 GSF

**MAR 2019**

- Planning begins for Edinburg Student Union Renovation
  - 100,000 GSF

**BROWNSVILLE LIBRARY EXPANSION**

- Planning begins JUN 2018, opens APR 2021
  - 150,000 GSF
JAN 2020
Planning for Edinburg Library Renovation / Expansion begins
150,000 GSF

MAR 2020
Planning for UTRGV administration / office building begins
80,000 GSF

OCT 2020
Off-campus Book Repository for UTRGV Libraries opens
100,000 GSF

DEC 2020
Primary transit spine funded & connected

JAN 2020
Expand secondary transit networks

MAR 2020
Expansion of McAllen Advanced Manufacturing Research Facility opens
40,000 GSF

2017: 6 sites open
2018: 8 sites open
2019: 12 sites open
2020: 16 sites open
2021: 20 sites open
2022: 25 sites open

COMMUNITY HUBS (AIME SITES)
Planning begins for new Health Sciences research building in Harlingen
130,000 GSF

Harlingen Clinical Education Building (CEBL) Renovation opens
99,000 GSF

Brownsville Library Expansion opens
150,000 GSF

UTRGV support services building opens
150,000 GSF

Edinburg Student Union Renovation
Planning begins MAR 2019, opens MAR 2022
100,000 GSF
Planning begins for new academic building in Brownsville
75,000 GSF

Planning begins for new Water, Coast, & Oceans research building at Port Isabel
130,000 GSF

Planning begins for new academic building in Edinburg
75,000 GSF

Planning begins for Graduate School of Business (GSB) expansion in Weslaco
20,000 GSF

Planning begins for academic expansion in McAllen
20,000 GSF

Planning begins for Harlingen library expansion
50,000 GSF

Planning begins for the Harlingen Clinical Education Building Expansion
Planning begins JAN 2022, opens DEC 2025
100,000 GSF

Planning begins for Edinburg Conference + Event Center
50,000 GSF

Expand data HD network at all sites and off-campus sites

Secondary transit networks expansion completed

Primary transit spine expansion completed
New Health Sciences research building in Harlingen opens
130,000 GSF

Research Building in Port Isabel
Planning begins in MAR 2023, opens DEC 2026
130,000 GSF

Edinburg Conference + Event Center
Planning begins MAR 2023, opens APR 2027
50,000 GSF

Planning begins for secondary transit network expansion
Planning begins for new Interdisciplinary Research building in Brownsville
210,000 GSF

McAllen academic expansion completed
20,000 GSF

Planning begins for support services building
90,000 GSF

Harlingen Clinical Education Building (CEBL) expansion opens
100,000 GSF

Harlingen Library expansion opens
50,000 GSF

Planning for UTRGV office building begins
35,000 GSF

Planning for UTRGV libraries expansion begins
130,000 GSF

Planning begins for support services building
90,000 GSF

Planning for UTRGV libraries expansion begins
130,000 GSF
- New Water, Coast, + Oceans research building at Port Isabel opens in OCT 2026, 130,000 GSF
- Secondary Transit Network Expansion Phase I planning begins JAN 2024, completed DEC 2027
- Academic Building in Brownsville Planning begins in JAN 2023, opens DEC 2027, 75,000 GSF
- Research Building in Brownsville Planning begins in JAN 2025, opens OCT 2028, 210,000 GSF
- OCT 2026: Expand primary transit spine
2027

Expenditure: $77.5 million
260 Principal Investigators
466 PhD Students

FEB 2027
Planning begins for new Interdisciplinary Research building in Edinburg
210,000 GSF

2027
UTRGV Enrollment:
32,383 FTE
18% Growth

FEB 2027
AIME Expansion to formal learning completed
20,000 GSF

FEB 2027
UTRGV support services building opens
90,000 GSF

JAN 2027
Edinburg Conference + Event Center opens
50,000 GSF

JUN 2027
Weslaco Expansion opens
20,000 GSF

SEP 2027
New Academic Building opens in Edinburg
75,000 GSF

SEP 2027
UTRGV office building opens
35,000 GSF

SEP 2027
Data HD network expansion completed at all sites

DEC 2027
New Academic Building opens in Brownsville
75,000 GSF

DEC 2027
UTRGV library expansions open
130,000 GSF

DEC 2027
Secondary transit networks expansion completed

2027 UTRGV ACHIEVES EMERGING RESEARCH UNIVERSITY STATUS
OCT 2028
New research building opens in Brownsville
210,000 GSF

JAN 2028
Planning begins for a new Energy + Environment Research building in Weslaco
210,000 GSF

MAR 2028
Planning begins for academic expansion in McAllen
50,000 GSF

JUL 2028
Planning begins for new academic building in Brownsville
100,000 GSF

OCT 2028
Planning begins for new academic building in Edinburg
100,000 GSF

DEC 2028
Primary transit spine expansion completed

JAN 2028
Expand data HD network at all campus and off-campus sites
Planning begins for a new research building in McAllen
210,000 GSF

Planning begins for new Harlingen academic building
100,000 GSF

Planning begins for new office building
35,000 GSF

Expand secondary transit networks

Brownsville Recreation Center purchased or planning begins for new recreation facility
100,000 GSF

Planning begins for Edinburg Wellness Center Expansion
50,000 GSF

Planning begins for Edinburg recreation/sports fields upgrades

Edinburg Research Building
Planning begins FEB 2027, opens DEC 2030
210,000 GSF
Planning begins for library expansions on campuses/sites
200,000 GSF

Planning begins for support services building
120,000 GSF

New research building in Edinburg opens
210,000 GSF

Harlingen Academic Building
Planning begins DEC 2028, opens DEC 2032
100,000 GSF

Edinburg Wellness Center Expansion
Planning begins AUG 2029, opens DEC 2032
50,000 GSF
Explore the metrics, real estate projections and academic initiatives that drive the master plan.

**Introduction**

This section illustrates the metrics and calculation methodologies the Design Team developed to map the real estate capital projects and operational initiatives required to be undertaken by UTRGV over the next fifteen years. The projects and initiatives have been defined by inserting growth predictions for enrollment and research expenditures into a Space Prediction Model based on that used by the Texas Higher Education Coordinating Board.

The results from the model were adapted to take into account the area and utilization of existing facilities, previously approved facilities in design or construction, expiration of real estate leases, new digital and hybrid modes of learning, new research methodologies, and desired extent of geographic decentralization. In parallel the team also developed targets for increases in human resources, research productivity and growth / change in academic programs.

<table>
<thead>
<tr>
<th>Type</th>
<th>Size (net sq. ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Learning</td>
<td>675K</td>
</tr>
<tr>
<td>Research</td>
<td>108K</td>
</tr>
<tr>
<td>Library</td>
<td>166K</td>
</tr>
<tr>
<td>Office</td>
<td>571K</td>
</tr>
<tr>
<td>Support</td>
<td>137K</td>
</tr>
</tbody>
</table>

*2015 UTRGV reported figures, excludes approved projects in design or construction*
Space Prediction Methodology

Background
In October 1992, the THECB approved the Space Projection Model for Higher Education Institutions in Texas. During 2016, in response to the evolution of higher education, the THECB launched a process to determine new space prediction metrics and calculation methods. This resulted in four new models currently being assessed. It is unlikely that a new model will be agreed before Spring 2017, so in order to determine space requirements for UTRGV a hybrid model has been developed.

Hybrid Model
The original Space Prediction Model determines the highest level of space requirement and has been used to set the maximum requirement. In consultation with UTRGV it was determined that the “3 Area Stratified” most accurately reflected their circumstances and was used to set the minimum requirement. The space requirement for UTRGV was set as the midpoint between the minimum and maximum predictions. One major impact of using the 3 Area Stratified model is that the area per student for learning space drops significantly once an Institution achieves Emerging Research University status. Where this occurs in the hybrid model, we have chosen to use the higher figure for space needs.

Predictions
In working with UTRGV to develop the model to plan future building projects, some important aspects emerged. In an effort to minimize capital expenditures, enrollment growth in the next five years would be accommodated by increases in utilization across UTRGV and renovations of existing Academic Hubs. Research growth over the next five years will be accommodated by the new facility at Doctors Hospital at Renaissance in McAllen, but major expansion will necessarily follow. The major space requirements identified by the model are in Library, office and support services. Significant expansion of these services is required immediately and progressively over the next fifteen years to keep pace with growth in research, enrollment, and spatial decentralization. Increases in office space are distributed in new buildings for the other categories plus administration. Requirements for student union and recreation / wellness projects have been determined by using national benchmarks as these typologies are not covered by the space prediction model.
In collaboration with UTRGV, CannonDesign investigated the four alternative Space Projection models currently under consideration by the THECB. It was determined that the 3 Area Stratified Method most closely fit UTRGV’s circumstances and the table below compares the two calculation methodologies.

### ENROLLMENT

<table>
<thead>
<tr>
<th>Existing THECB Method (Maximum requirement)</th>
<th>Stratified 3 Method (Minimum requirement)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate</td>
<td>Program area 1</td>
</tr>
<tr>
<td></td>
<td>Program area 2</td>
</tr>
<tr>
<td></td>
<td>Program area 3</td>
</tr>
<tr>
<td></td>
<td>Program area 4</td>
</tr>
</tbody>
</table>

**Economy of scale**

- >15,000 FTSE: Factor of .98 is used for the first 1,000 FTSE above 15,000. Factor decreases .02 for each increase of 1,000 FTSE.

### LEARNING

A full-time-student equivalent (FTSE) for Fall 2015 was provided to the team, reported for each of 4 program areas and course level based on credit hours.

In the THECB models teaching space is assigned to one of four different programmatic areas based on space requirements. (See http://www.thecb.state.tx.us/reports/pdf/1215. PDF page II-5) The NASF is calculated by multiplying the FTSE for each program area and level by the corresponding NASF per FTSE. Adjustments for economies of scale and online learning are applied.

### Extrapolation

The Design Team collaborated with UTRGV to determine increases in student enrollment for
A full-time-student equivalent (FTSE) for Fall 2015 was provided to the team, reported for each of 4 program areas and course level based on credit hours.

In the THECB models teaching space is assigned to one of four different programmatic areas based on space requirements. (See http://www.thecb.state.tx.us/reports/pdf/1215.PDF page II-5) The NASF is calculated by multiplying the FTSE for each program area and level by the corresponding NASF per FTSE. Adjustments for economies of scale and online learning are applied.

Extrapolation
The Design Team collaborated with UTRGV to determine increases in student enrollment for the program areas and course levels for 2022, 2027 and 2032. Area for offices was added to the calculation to create total project building areas.

Observations
By comparing the two methods it was observed that universities with a large undergraduate population in less intensive programs receive reduced space provision in the 3 Area Stratified method. There is also a significant drop in space provision when an institution receives emerging research status. At this point it was decided to use the higher of the two values.
Average reported research expenditures for 2014, 2015 and 2016 were provided to the Design Team. These were then adjusted for inflation and by the multiplication factors to arrive at the space requirement.

Extrapolation
The Design Team collaborated with UTRGV to determine increases in research expenditures for 2022, 2027 and 2032. Research expenditures include the expenditures reported in the institution’s Annual Financial Report (AFR) plus any foundation or 501c3 and TEES pass-through expenditures reported on the Annual Research Expenditures Report to the Coordinating Board.

Area for offices (from the offices calculation) totalling 25% of the net project area was added to the research space requirement to create fully functional research building project allocations. 20% of research area allocation was used to predict core facilities needs.

Observations
By comparing the two methods it was observed that for small research expenditures the 3 Area Stratified method resulted in a small amount of difference to the existing model, however for larger expenditures of Emerging Research and Research Universities, the 3 Area Stratified method provides significantly less area.
A full-time-student equivalent (FTSE) for Fall 2015, the faculty FTE total, together with estimates for number of volumes in the UTRGV collection was provided to the team.

Extrapolation
The Design Team collaborated with UTRGV to determine increases in enrollment and Faculty population.

Area for offices (from the offices calculation) totalling 10 – 20% of the net project area was added to the library space requirement to create fully functional building project allocations. Lower figure applies to book repositories and later expansion projects. Higher figure to allow for student services in hybrid projects.

Observations
By comparing the two methods it was observed that the stratified three model provided about 15-20% increased area over the original THECB methodology and this number was chosen.
OFFICE

A full-time equivalent (FTE) for faculty and staff in Fall 2015 was provided to the team.

Extrapolation

The Design Team collaborated with UTRGV to determine increases in enrollment and Faculty population by maintaining a staff to faculty ratio of 2:1 and a student to faculty ratio of 20:1.

To create realistic building project sizing, the following area for offices from this calculation was added to other typologies:

- 10 - 20% of the net project area added to the library space requirement,
- 25% of the net project area added to the research space requirement
- 5% of the net project area added to the support space requirement
- 15 - 30% of the net project area added to the learning space requirement, decreasing as research grows.

The remaining area was used to determine University Administration and Business functions office projects.

Observations

By comparing the two methods it was observed that the stratified three model provided about 15-20% increased area over the original THECB methodology and this number was chosen.
OPERATIONAL SUPPORT

Based on a percentage of the total net area calculated for learning, research, library and office.

**Extrapolation**
The percentage of area calculated at each of the three phases.

**Observations**
There is no difference between the two models.
Space Prediction Methodology

While the hybrid space prediction model uses population growth factors to determine real estate requirements for these typologies, it does not cover student unions, housing, sports or recreation. The requirements for union and recreation facilities have been covered by using previous feasibility studies and national benchmarks. Housing has been determined by reference to previous master plans, while sports have been excluded from this study.

Unions
Previous studies and benchmarking highlighted the student unions at both Edinburg and Brownsville as undersized, not only for the current student enrollment, but also for the predicted growth of around 18% every five years. Student surveys for the Edinburg Union highlighted overcrowding, poor food quality, noise and lack of useful functions. Additionally, lack of event and conference space is hindering revenue generation opportunities.

Recreation
Sport and recreation services at UTRGV will require future detailed review and so the initiatives illustrated in this master plan are derived from the previous UTPA / UTB master plans and feasibility studies that have been undertaken since they were completed.
Largest spread of 400k nsf between models is in Learning. Major shortfalls in Learning (176k nsf) and Library (268k nsf) provision. Smaller shortfalls in Office (72k nsf) and support (77k nsf). Research surplus of 22k nsf.

Largest spread of 400k nsf between models is in Learning. Major demand in Learning (339k nsf) and Offices (155k nsf) provision. Smaller demand in Library (116k nsf) and Support (62k nsf). Research surplus of 7k nsf due to Doctors Hospital at Renaissance Facility completing construction.

Largest spread of almost 700k nsf between models is in Learning due to shift to Emerging Research status. Major demand in Research (230k nsf), Learning (230k nsf) and Offices (155k nsf) provision. Smaller demand in Library (174k nsf) and Support (109k nsf).

Spread of almost 330k nsf between models is in Research due to shift to Research University status. Major demand in Research (577k nsf) and Learning (326k nsf) and smaller demand in Offices (269k nsf), Library (174k nsf) and Support (109k nsf).
Space Prediction Methodology

The Pursuit of Excellence: Universities Accountability Peer Group Categories

UTRGV wishes to pursue a path of continuously improving excellence. A strategy for carrying out that goal relies on the selection of institutional targets and status benchmarks against which progress can be measured. Over the next 15 years UTRGV intends to rise in stature and achieve ranking in the following Universities Accountability Peer Group Categories as defined by the Texas Higher Education Coordinating Board. The following chart summarizes the requirements for each category:

<table>
<thead>
<tr>
<th>State of Texas University &amp; Funding Classifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type / Requirement</strong></td>
</tr>
<tr>
<td>Notes</td>
</tr>
<tr>
<td>Number of Awarded PhDs</td>
</tr>
<tr>
<td>2 year rolling average</td>
</tr>
<tr>
<td>Restricted Research Expenditures</td>
</tr>
<tr>
<td>Number of Doctoral Research Programs</td>
</tr>
<tr>
<td>Number of Doctoral Research Students</td>
</tr>
<tr>
<td>Endowment</td>
</tr>
</tbody>
</table>

Notes:
- Tier 1 does not exist as a single standard.
- Tier 1 criteria determined by the Center for Measuring University Excellence (CMEU).
- Tier 1 criteria are consistent with achievement of the Carnegie Classification rank in the Center for Measuring University Excellence (CMEU) report & membership in the Association of America Universities (AAU).
- Texas Tier 1 equivalent is calculated as 2 year rolling inflation adjusted funding to achieve Tier 1.

Carnegie Classification, rank in the Center for Measuring University Excellence (CMEU) are considered the best indicators.
Doctoral Universities: UTRGV Current State

Doctoral universities are educational and cultural resource institutions committed to the three-fold mission of teaching, research and service. With extensive educational programs, academic efforts are directed to both applied and basic research in selected fields, teaching and scholarship, and creative activities. The universities encourage faculty members to be active researchers in their respective disciplines and to involve both undergraduate and graduate students in research and creative pursuits. Doctoral universities offer a wide range of excellent baccalaureate and master’s programs and are committed to graduate education through the doctorate in targeted areas of excellence and/or regional need.

Doctoral Institutions are expected to reach three of the following four criteria to be included in this group:

- Award at least 10 PhD degrees annually
- Offer at least 5 doctoral-research/scholarship programs
- Enroll at least 150 doctoral-research/scholarship students
- Generate at least $2 million annually in restricted research expenditures
Emerging Research universities are educational, scientific, engineering, business and cultural resource centers committed to the threefold mission of teaching, research and service. As universities with extensive educational programs, academic efforts are directed to applied and basic research in selected fields, teaching and scholarship, and creative activities. The universities encourage faculty members to be active researchers/creators in their respective disciplines and to involve both undergraduate and graduate students in research and creative pursuits.

Emerging Research universities are expected to:

- Offer a comprehensive range of excellent undergraduate and graduate programs
- Award at least 30 PhD degrees annually, based on a rolling average of two consecutive years of degree production
- Generate at least 20% of the research universities’ criteria for restricted research expenditures (20% of $150 million, adjusted for inflation), as determined by a rolling two-year average
Research Classification

<table>
<thead>
<tr>
<th>Doctoral University</th>
<th>Emerging Research University</th>
<th>Research University</th>
</tr>
</thead>
</table>

**Research University - 2032 Status**

Research universities provide a broad range of undergraduate, graduate and professional programs, place a greater emphasis on research than universities in other groups, and serve their regions, the state, and beyond. Excellent undergraduate education is a central function, but a significantly higher proportion of these institutions’ students are enrolled in graduate and professional programs than is the case in Master’s, Comprehensive, Doctoral, or Emerging Research universities.

Research universities are expected to:

- Offer a comprehensive range of excellent undergraduate and graduate programs
- Award 200 or more PhD degrees annually, based on a rolling average of two consecutive years of degree production
- Generate at least $150 million annually in restricted research expenditures, adjusted for inflation, based on a rolling two-year average (a baseline of $150 million in September 2013 will be adjusted for inflation each subsequent September using the CPI-U index)
Transformation in the first five years is focused on maximizing expansion for the lowest capital outlay while bringing the student experience up to an acceptable level. Enrollment expansion is accomplished by improvements in productivity and renovations at existing locations. Research expansion is more than covered by the McAllen Doctors Hospital at Renaissance public-private partnership research building. The THECB space prediction model together with national university benchmarking has determined that after learning facilities, Library, student services and support services require significant investment to bring them up to acceptable standards.

By year ten enrollment growth will be accommodated by a 100,000 sqft expansion at Harlingen, plus additional expansions at Academic Hubs and the transformation of the AIME sites for traditional as well as community focused learning. Investments in student services, library and support services will keep pace with academic growth. Enhanced connectivity between campuses/sites will be facilitated by an increasingly efficient bus rapid transit network coupled with the construction of transit hubs at the campuses/sites and academic hubs.

Year ten to fifteen will see enrollment growth accommodated by further expansion at the main academic locations, together further productivity improvements. Investments in student services, library and support services will keep pace with academic growth. During this period, growth in research expenditures and productivity improvements will be sufficient for UTRGV to achieve Tier One or Research University status. This will pave the way for significant investment in research facilities across the Valley. Enhanced connectivity between campuses/sites will be facilitated by an increasingly efficient bus rapid transit network coupled with the construction of transit hubs at the campuses/sites and academic hubs.
Years 0-5 are focused on leveraging existing resources and accommodating the 18% enrollment growth target at existing locations through improvements in efficiency and utilization and by targeted renovations at the Academic Hubs.

Years 5-10 are focused on targeted expansions across all locations. Major emphasis will be on growth in Harlingen as a center for Interprofessional health sciences education.

Years 10-15 see a continuation of the expansions and perhaps relocations to consolidate enrollment growth in strategic locations.
Capital Projects Schedule

UTRGV MASTER PLAN CAPITAL PROJECTS SCHEDULE

<table>
<thead>
<tr>
<th>Year</th>
<th>Phase</th>
<th>Type</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>1</td>
<td>RESEARCH</td>
<td>DHR (83kgsf)</td>
</tr>
<tr>
<td>2017</td>
<td>2</td>
<td>RESEARCH</td>
<td>McAllen Advanced Manufacturing (40kgsf)</td>
</tr>
<tr>
<td>2017</td>
<td>3</td>
<td>RESEARCH</td>
<td>Harlingen (130kgsf)</td>
</tr>
<tr>
<td>2017</td>
<td>4</td>
<td>RESEARCH</td>
<td>Port Isabel (130kgsf)</td>
</tr>
<tr>
<td>2017</td>
<td>5</td>
<td>RESEARCH</td>
<td>Edinburg (210kgsf)</td>
</tr>
<tr>
<td>2017</td>
<td>6</td>
<td>RESEARCH</td>
<td>Weslaco (210kgsf)</td>
</tr>
<tr>
<td>2017</td>
<td>7</td>
<td>RESEARCH</td>
<td>Brownsville (210kgsf)</td>
</tr>
<tr>
<td>2017</td>
<td>8</td>
<td>RESEARCH</td>
<td>McAllen (210kgsf)</td>
</tr>
<tr>
<td>2017</td>
<td>9</td>
<td>RESEARCH</td>
<td>Brownsville (210kgsf)</td>
</tr>
<tr>
<td>2017</td>
<td>10</td>
<td>RESEARCH</td>
<td>Port Isabel (130kgsf)</td>
</tr>
<tr>
<td>2017</td>
<td>11</td>
<td>RESEARCH</td>
<td>McAllen (210kgsf)</td>
</tr>
<tr>
<td>2017</td>
<td>12</td>
<td>RESEARCH</td>
<td>McAllen (210kgsf)</td>
</tr>
<tr>
<td>2017</td>
<td>13</td>
<td>RESEARCH</td>
<td>Weslaco (210kgsf)</td>
</tr>
<tr>
<td>2017</td>
<td>14</td>
<td>RESEARCH</td>
<td>Weslaco (210kgsf)</td>
</tr>
<tr>
<td>2017</td>
<td>15</td>
<td>RESEARCH</td>
<td>Weslaco (210kgsf)</td>
</tr>
</tbody>
</table>

Years 0-5 are focused on consolidation of the research enterprise, developing theme based practices at its existing locations and growth in health sciences research at McAllen.

Years 5-10 as research expenditures double and Emerging Research status is achieved, we will see Interprofessional research expansion at Harlingen in parallel with learning facilities expansion. There will be a mixed-use learning and research facility created at Port Isabel.

Years 10-15 as research expenditures double again and as UTRGV heads towards Research University status, new research projects facilities will be required to accommodate increased numbers of new faculty hires at Brownsville, Edinburg, McAllen and Weslaco.
Capital Projects Schedule

UTRGV MASTER PLAN CAPITAL PROJECTS SCHEDULE

**2017**

**Phase 1**
- Library Repository (100kgsf)
- Library Expansion Brownsville (150kgsf)
- Library Reno / Expand Edinburg (150kgsf)
- Office Building (80kgsf)
- Support Services (150kgsf)

**Phase 2**
- Library Expansion Harlingen (50kgsf)
- Library Campus Expansions (130kgsf)
- Office Building (35kgsf)
- Support Services (90kgsf)
- Edinburg Conference + Events Center (50kgsf)

**Phase 3**
- Library Campus Expansions (200kgsf)
- Office Building (35kgsf)
- Support Services (120kgsf)
- Brownsville Recreation Center Purchase or New (100 kgsf)
- Edinburg Wellness Center (50kgsf)
- Edinburg Recreation & Sports Fields

**SUPPORT**
- Support Services (120kgsf)

**YEARS**
- Years 0-5: Catching up on previous shortfalls in libraries and Unions, engaging with enrollment growth and consolidating administrative / operational support.
- Years 5-10: Building on previous consolidation to match enrollment growth and changes in academic practice for libraries and student services.
- Years 10-15: Matching enrollment expansion with targeted developments.

**EMERGING RESEARCH**
Emerging Research

Leadership and planning of the bus rapid transit is undertaken and Federal Funding applications are made.

Years 0-5 envision expansion of data and transit networks to fully connect and support demand in all UTRGV locations.

Years 5-10 see implementation and expansion of the primary and secondary bus rapid transit system networks including park and ride installations at campuses/sites. Data networks are progressively updated to match demand.

Years 10-15 see progressive expansion of both transit and data networks to match locational demands.
Successful transformation resides in a team with the empowerment to take on the development of facilities as well as business and operations planning. An enhanced planning team that was involved with both the Master Plan and Strategic Plan would be ideal. Proof of concept would take the form of an economic impact assessment.

The first six months following master plan completion should be focused on the creation of a detailed enrollment and research growth models, coupled with a hiring plan for the staff, teaching and research faculty required to achieve the targets.

In parallel, resource planning is required to support the increasing student body in the new decentralized structure. Detailed planning for the delivery of library, student, administrative and sports / recreation services will be required at this time.

Connectivity enhancements will require the University to take the primary leadership role in the planning of an enhanced Bus Rapid Transit system.

The second six months is a period of detailed implementation. Prioritization during the planning process will enable progressive roll out of an enrollment growth plan linked to the marketing of the soon to be enhanced Academic Hubs. Performance improvements in learning delivery synchronized with the hiring of new faculty and staff will allow growth and performance targets to be focused on defined locations at defined times.

Research growth depends on the hiring of new Principal Investigators and their teams. With the advent of the Doctors Hospital at Renaissance research laboratory facility at McAllen, there is the opportunity to test new concepts in research operations, space allocations and performance expectations of this facility’s occupants.

Following the creation of a plan to obtain Federal funding for the expansion of the Bus Rapid Transit system it will be essential for the University to extend its leadership role to organize and manage the various partners and ensure that the submittal is successfully delivered and implemented.
The UTRGV Strategic Plan was approved in the 2nd quarter of 2017 and it is anticipated the Master Plan will receive approval during the 3rd quarter of 2017. In parallel with these approvals, and in order to maintain the impetus of UTRGV’s transformation, it will be necessary to create an implementation team with leadership of sub groups in learning, research, support services and connectivity. First tasks include the development of funding and finance plans and development and procurement plans. An economic assessment will also provide more evidence of UTRGV’s commitment to
The Learning Initiatives team will develop a detailed enrollment model for each of the campuses/sites and academic hubs, together with a PhD program expansion plan. This would be integrated with utilization improvement, academic hub renovation and marketing plans to ensure that growth targets can be met with efficient learning delivery in all locations.
It is envisioned that the Division of Research, Innovation, and Economic Development will reorganize to focus on solutions focused interdisciplinary research. It will create and implement integrated funding growth and hiring strategy plans aimed at achieving the aggressive targets for doubling research expenditures over the next five years.
A Library strategic plan will enable the development and implementation of initiatives that align new services, new skill sets with new space types and expansion of learning and research. Likewise, plans for student unions, support services and administration will enable detailed assessment and implementation of new operation methodologies for the decentralized UTRGV.
**Strategic Initiatives Schedule**

<table>
<thead>
<tr>
<th>UTRGV MASTER PLAN STRATEGIC INITIATIVES SCHEDULE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Q0</strong></td>
</tr>
<tr>
<td>Internal: Master Plan Awareness</td>
</tr>
</tbody>
</table>

**Connectivity:** The existing transit network is experiencing rapidly growing demand and during the first quarter will require upgrades and expansion. In parallel, UTRGV will take the leadership role in the planning and implementation of the bus rapid transit network. Data network planning and implementation is already advanced and roll out of improved networks to all locations will continue as planned.

**Communications:** Any plans are only as good as their level of communication. It is therefore imperative that a plan for outreach to the wider community is developed and implemented simultaneously with engagement with the UT System, and internally with UTRGV stakeholders.
**Total Capacity**

The current capacity of UTRGV’s real estate holdings is represented by a range of ownership types; from leased to owned space including a variety of use agreements with local communities. As a portfolio of space, the university is positioned to leverage these real estate assets to expand its presence across the Valley in a meaningful way over time.
The current capacity of UTRGV’s real estate holdings is represented by a range of ownership types; from leased to owned space including a variety of use agreements with local communities. As a portfolio of space, the university is positioned to leverage these real estate assets to expand its presence across the Valley in a meaningful way over time.
Real estate assets in Edinburg that are owned by UTRGV are primarily located in Edinburg. Campus assets that are utilized by the University through leases and shared purpose agreements are represented in the Hidalgo County capacity chart.
Brownsville

Brownsville has the greatest concentration of leased space within the UTRGV portfolio as an outcome of the change to University's former structure. Most of these lease agreements are desirable to dispose of once they expire due to the poor condition of the building stock, making for a very different ownership portfolio over time. However, key buildings have been identified as desirable to purchase when the opportunity arises.
Brownsville

Lease Space
Captured here is a breakdown of the total net area of leased space in Brownsville per building. The leased space is also organized per lease expiration date and building condition to inform an understanding of the broader space capacity needs and availability over the 15-year master plan.
There is a great opportunity to increase the utilization of the Harlingen University Center. This space has the potential to allow UTRGV to grow its presence in Harlingen in the short-term while expanding upon its research and academic program offerings that meet long-term growth goals.
Hidalgo County

The UTRGV real estate capacity in Hidalgo County represents a highly diverse mix of University presence; from off-campus uses such as the McAllen Teaching Site, and Transfer Center and new outposts for research at Doctors Hospital at Renaissance and Advanced Manufacturing Center in McAllen to leveraging existing community centers within rural locations of the county to serve as portals for inter-professional learning and engagement.
Cameron County

The UTRGV real estate assets in Cameron County are primarily oriented to coastal studies and space exploration in South Padre Island, Port Isabel, and Boca Chica Beach.
The capacity of real estate in Starr County is primarily composed of space owned by UTRGV. As Starr County is the most geographically remote county of the Lower Rio Grande Valley counties, captured here in the lease space portion is the expansion upon UTRGV’s outreach into Rio Grande City by way of a local community center.

2017

- **Owned**
  - Learning
  - Library
  - Office
  - Support

- **Leased**
  - Not Yet Assigned (1,000 lbs.)
## Research

<table>
<thead>
<tr>
<th>Principal Investigators (FTE)</th>
<th>Research Income</th>
<th>Gross Square Feet</th>
<th>PhDs Awarded</th>
<th>Institution Status</th>
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</thead>
<tbody>
<tr>
<td>I</td>
<td>2017</td>
<td>2022</td>
<td>2027</td>
<td>2032</td>
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### Introduction

Our goal is to position UTRGV to be a model of the distributed research campus of the future with a network of theme-based interdisciplinary centers of excellence addressing the challenges and opportunities of the Rio Grande Valley and beyond.

To achieve this, we will increase the number of faculty, graduate students, and undergraduate students engaged in research and creative work. We will increase our numbers of high-impact peer-reviewed publications, research expenditures, public/private partnerships, scholarly awards and performances/presentations.

Working with UTRGV Leadership, and in coordination with the UTRGV Strategic Plan, the Design Team has developed a series of target metrics for population, productivity and space efficiency that drive the real estate requirements for research. These have then been applied to prioritized thematic research areas to be developed progressively over the next 15 years in appropriate existing and new locations.
In 2016 the 170 Principal Investigators (PI) undertaking research at UTRGV used 108,200 assignable square feet (sqft) of space (excluding offices and support) to achieve $25,678,769 in research income, a 3 year rolling average of $20,350,797. In 2015, 243 Doctoral Students were enrolled in programs in Management (66), Organization & School Leadership (62), Teaching and Learning (92) and Rehabilitation Services & Counseling (23). According to the Texas Higher Education Coordinating Board 54% of UTRGV research is in the Agricultural sciences, Biological and other Life Sciences, Engineering, and Environmental sciences and 46% is in all other areas.
Projected to be completed in December 2017, the new 83,020 GSF Medical Research Building at Doctors Hospital at Renaissance in McAllen will accommodate the projected growth illustrated below. As well as providing additional vivarium and microscopy core facilities, UTRGV intends to double the investment in shared research infrastructure, including supercomputing. Other targets include an increase in research productivity from $120,000/PIFTE/year to $200,000/PIFTE/year, an increase in area per PI team from 510 net sqft to 790 net sqft, and a 25% increase in the number of research-based partnerships with industry, hospitals, non-profits, government, and other community stakeholders. The McAllen Advanced Tooling Engineering Center will transform into a Center for Advanced Manufacturing.
Increases in research expenditures and a doubling of Doctoral programs and PhDs awarded will result in UTRGV achieving Emerging Research University status.

The requirement for an additional 129,000 net sqft of research space, taking the form of a 130,000 gross sqft Health Sciences Facility at Harlingen and a 130,000 sqft Water, Coast and Oceans Center at Port Isabel (includes labs, offices and support), assumes the hiring of an additional 61 Principal Investigators, producing $300,000/FTE/year in 1,118 net sqft per PI team.
Increases in research expenditures, achieving 16 Doctoral programs and around 100 PhDs awarded per year will result in UTRGV achieving Research University status.

This requirement for an additional 246,000 net sq ft of research space takes the form of 210,000 GSF projects at McAllen, Brownsville and Edinburg (includes labs, offices and support), and assumes the hiring of an additional 118 Principal Investigators, producing $400,000/FTE/year in 1,422 net sq ft per PI team.
How will we get there?

Solutions focused research at UTRGV aligns the unique strengths of UTRGV and integrates its scholars and artists in providing direct positive impact on Valley-wide needs. It is divided into four strategic themes: Health + Wellness, Innovation, Education, and Environment. Each of the research facility projects illustrated in the plan is focused on a particular theme, with education research space included in each.
How will we get there?

Solutions focused research at UTRGV aligns the unique strengths of UTRGV and integrates its scholars and artists in providing direct positive impact on Valley-wide needs. It is divided into four strategic themes: Health + Wellness, Innovation, Education, and Environment. Each of the research facility projects illustrated in the plan is focused on a particular theme, with education research space included in each.

The Lower Rio Grande Valley region is home to a unique population. Compared to the rest of Texas, this population is less educated, has a considerably lower per capita personal income, and has less access to health care. Hispanics of this region in addition also face a number of obstacles to health care, including economic, cultural, and institutional barriers, all leading to disparities in health outcomes.

Through the creation of the new Medical School, and the integrated growth of interprofessional programs with the College of Health Affairs, UTRGV will serve as a catalyst in transforming the landscape of health and medicine across the region. Medical and health sciences research facilities at McAllen and at Harlingen will be catalysts for a culture of health and well-being by building mutually beneficial partnerships with surrounding communities, health care providers, governmental agencies and philanthropic organizations.
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For UTRGV to be a catalyst for educational success for a growing bilingual and biliterate population of individuals, families, communities, the region and our society at large, research in education has to be undertaken in a decentralized fashion.

In order to be regionally responsive, every research facility described in this master plan will contain spaces and technologies for engaged, networked, physical and digital discovery. Each place will focus on implementing research findings through thoughtful, culturally sustaining partnerships with local schools and communities across all types of learning and teaching practice.

To learn more about the UTRGV College of Education and P16 Integration and their research and community engagement efforts, visit:

http://www.utrgv.edu/cep/
How will we get there?

Solutions focused research at UTRGV aligns the unique strengths of UTRGV and integrates its scholars and artists in providing direct positive impact on Valley-wide needs. It is divided into four strategic themes: Health + Wellness, Innovation, Education, and Environment. Each of the research facility projects illustrated in the plan is focused on a particular theme, with education research space included in each.

Environmental research covers a wide range of interdisciplinary discovery, focused on providing solutions to the unique challenges of the Rio Grande Valley and beyond.

Research facilities will focus on earth and space research at Boca Chica Beach, water, ocean and coastal studies at Port Isabel / South Padre Island and Energy, Agriculture and Nutrition at Weslaco. Research facilities will promote a collaborative, multidisciplinary approach to understanding regional earth - environmental systems and their interactions with society by integrating biological, chemical, physical and geospatial sciences with engineering, socio-economics, law and policy.

To learn more about environmental research at UTRGV visit:

http://www.utrgv.edu/biology/research/research-fields/index.htm
http://www.utrgv.edu/seems/research/index.htm
How will we get there?

Solutions focused research at UTRGV aligns the unique strengths of UTRGV and integrates its scholars and artists in providing direct positive impact on Valley-wide needs. It is divided into four strategic themes: Health + Wellness, Innovation, Education, and Environment. Each of the research facility projects illustrated in the plan is focused on a particular theme, with education research space included in each.

For UTRGV to be a catalyst for regional socio-economic success, knowledge creation in all academic areas has to be targeted towards implementable solutions.

Improvements in regional health, literacy, cultural activity and prosperity will depend on the university broadening its culture of entrepreneurship and service while increasing its community partnerships and technology transfer.

In order to be a catalyst for regional innovation, every research facility described in this master plan will contain spaces and technologies for the incubation and development of entities engaged in networked, physical and digital solutions through sustainable partnerships with local businesses, government, not for profits and other community entities.

To learn more about current innovation and entrepreneurship efforts at UTRGV visit:

For UTRGV to be a catalyst for regional socio-economic success, knowledge creation in all academic areas has to be targeted towards implementable solutions. Improvements in regional health, literacy, cultural activity and prosperity will depend on the university broadening its culture of entrepreneurship and service while increasing its community partnerships and technology transfer.

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To learn more about current innovation and entrepreneurship efforts at UTRGV visit: http://www.utrgv.edu/en-us/research/services/economic-development/entrepreneurship/index.htm

Where will research go?

Over the next 15 years we will establish a network of theme based interdisciplinary centers of excellence addressing the challenges and opportunities of the Rio Grande Valley and beyond. These locations and the research focuses have been determined by assessing greatest needs, historical research strengths along with local contextual, economic and cultural attributes.
Research Centers of Excellence

Distributed Research
To operate successfully in a distributed model a series of thematic clusters has been aligned with the context of particular locations across the Valley anchored by interdisciplinary clusters at the Campuses/Sites. These centers of excellence contain unique technologies, and knowledge management resources related to their particular research activities. Research undertaken by the College of Education and P16 Integration would occur in all locations.
Research in HARLINGEN

Health Sciences
Located adjacent the Veterans Healthcare Center and Valley Baptist Medical Center and close to other health sciences learning facilities this center will be a basic and applied interprofessional health sciences research. Complementing traditional wet labs and animal facilities will be a suite of high performance computing, simulation and hardware development suites and incubation facilities that will enable the full continuum of clinical and translational research and technology transfer.
Research in EDINBURG

**Interdisciplinary Research**

This research facility will provide highly flexible interdisciplinary research facilities related to academic strengths at the intersection of science engineering and the arts. Complementing traditional wet labs and animal facilities will be a suite of high performance computing, BSL3 labs and incubation facilities that will enable the full continuum of basic and applied research and technology transfer.
McALLEN DHR

Program Focuses:
- Clinical Translation
- Neuroscience
- Diabetes + Obesity

Core Facilities
- Imaging
- Vivarium
- Bio-Medical Incubation
- Scale-Up Translation

PI Teams: 16
Area: 83,000 GSF

Health Sciences

Research in McALLEN

Health Sciences
Projected to complete construction in December 2017, the new 83,020 gross sqft. Research Building at McAllen will take advantage of its location adjacent Doctors Hospital at Renaissance to undertake the full continuum of clinical and translational medical research. The additional vivarium and microscopy core facilities in this building provides some of the doubling in shared research infrastructure UTRGV intends to invest in during the next five years.
Research in McAllen

Advanced Manufacturing
As the College of Engineering and Computer Science Advanced Tooling Center matures and becomes more successful, it is anticipated that it will be expanded to become a center for advanced manufacturing. Containing state of the art robotics, artificial intelligence and rapid prototyping facilities, it is anticipated that this center of excellence will attract multiple partners in government and industry from both sides of the border.
PORT ISABEL / SOUTH PADRE ISLAND

Program Focuses:
- Oceanography
- Marine Biology
- Coastal Studies

Core Facilities:
- Tank Farm
- Artificial Environments
- Electronics and Sensors
- Trace Element Lab
- Mass Spectroscopy

PI Teams: 30
Area: 130,000 GSF

Research in PORT ISABEL

Water, Coast, and Oceans
Located on 8 acres of land currently owned by UTRGV, it is intended that this research center will be combined with learning facilities to create a self-sufficient academic hub. Taking advantage of its unique location it will focus on environmental research related to the intersection of the Rio Grande River with the South Texas Coastline and the Ocean of the Gulf of Mexico.
**BOCA CHICA BEACH**

**Program Focuses:**
- Spacecraft Tracking and Astronomical Research into Gigahertz Astrophysical Transient Emission (STARGATE)
- RF technologies
- Spaceflight operations
- Satellite and Spacecraft tracking

**Core Facilities**
- To be determined

**PI Teams:** TBD
**Area:** 130,000 TBD

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**Research in BOCA CHICA BEACH**

**STARGATE**

The existing location for the partnership between UTRGV, the Center for Advanced Radio Astronomy (CARA), and SpaceX is envisioned to be expanded to foster leading-edge research, development and commercialization in sophisticated radio astronomy technologies and Spacecraft Tracking and Astronomical Research into Giga-hertz Astrophysical Transient Emission (STARGATE), and develop new radio frequency-based technologies for a wide range of academic and commercial applications.
Research in WESLACO

Business + Entrepreneurship

Taking advantage of its proximity to the Weslaco Center for Innovation and Commercialization this center will expand research in business and entrepreneurship for the UTRGV Robert C. Vackar College of Business and Entrepreneurship. As a place that links new discoveries and thinking business it will directly link its work to developing jobs, businesses and economic value for the region.
Research in WESLACO

Earth + Environment
Located so as to take advantage of its central location it is intended that this research center will be combined with adjacent learning and research to create a self-sufficient academic hub. It will focus on earth and environmental research related to the intersection of the Rio Grande River with agriculture, climate, food production and health economics.
This research facility will provide highly flexible interdisciplinary research facilities related to academic strengths at the intersection of Health Science, foundational sciences and engineering. Complementing traditional wet labs and animal facilities will be a suite of high performance computing, BSL3 labs and incubation facilities that will enable the full continuum of basic and applied research and technology transfer.
AIME SITES + COMMUNITY RESEARCH

Existing Locations:
- Alamo Community Resource Center
- City of La Feria Facility
- San Carlos Community Resource Center
- El Paraíso Hidalgo Community Facility
- Proyecto Desarrollo Humano
- La Victoria Starr County Facility

Future Program Goals
- Proof of Concept
- Expand to 25 sites
- Expand to 600 Researchers
- Expand to formal learning

Health Sciences

Research at the AIME SITES

Health Sciences
Subject to its success, in community-based practice experiences for students, it is envisioned that the Ambulatory Interprofessional Medical Experience (AIME) sites could be extended to host funded research projects. Through AIME, medical and health researchers along with other disciplines could undertake research in population health, health disparities, cultural diversity, culturally competent practice and possibly undertake clinical trials.
**Trends: Research Real-Estate Growth**

Research facility requirements over the next 15 years at UTRGV have been derived from research the income targets described previously. These targets have been modified to take into account progressive increases in research productivity, growth in PI team size and improvements in space utilization. To arrive at gross floor area requirements, the net research space is supplemented by additional area for research offices, decentralized core facilities, such as vivarium and service facilities such as chemical stores and loading docks. A 60% efficiency factor has been added to bring the net areas up to gross.

To learn more about the process in developing the Space Prediction Model, [click here](#).
Research Strategic Initiatives Schedule

It is envisioned that The Division of Research, Innovation, and Economic Development will reorganize to focus on solutions focused interdisciplinary research. It will create and implement integrated funding growth and hiring strategy plans aimed at achieving the aggressive targets for doubling research expenditures over the next five years.

To view the complete strategic initiatives schedule, click here.
Research Capital Projects Schedule

Years 0-5 are focused on consolidation of the research enterprise, developing theme based practices at its existing locations and growth in health sciences research at McAllen. Years 5-10 as research expenditures double and Emerging Research status is achieved, we will see Interprofessional research expansion at Harlingen in parallel with learning facilities expansion. There will be a mixed-use learning and research facility created at Port Isabel. Years 10-15 as research expenditures double again and as UTRGV heads towards Research University status, new research projects facilities will be required to accommodate increased numbers of new faculty hires at Brownsville, Edinburg, McAllen and Weslaco.

To view the complete strategic capital projects schedule, click here.
Learning

2017  2022  2027  2032

Introduction

Our goal is to position UTRGV to be a model of the distributed campus of the future, by the most cost effective means possible. By improving existing academic and community hubs, increasing the support provided by the existing campuses and by enhancing rapid transit and high definition digital connectivity we will maximize accessibility to affordable high quality education across the Rio Grande Valley.

While the majority of learning will remain in Edinburg and Brownsville, enrollment growth will be accommodated principally through improvements in utilization, increases in online and hybrid learning and by expansion at Harlingen to create a new health sciences site. Regional accessibility will be broadened through targeted renovations and improved utilization of existing Academic Hubs at Rio Grande City, Weslaco, McAllen and Port Isabel. Progressive development and growth of the Ambulatory Interprofessional Medical Education (AIME) sites from community based learning to a wider range of experiential learning and student services, integrated with research and community resources will further increase accessibility and outcomes. Achieving this will require the University’s leadership in creating a new operating structure, improvements in facility utilization, expanding digital learning and effective marketing.

Working with UTRGV Leadership, in coordination with the most recent UTRGV Strategic Plan and using Fall 2015 data, the Design Team has developed a series of target metrics for undergraduate and graduate enrollment growth, space utilization and faculty / staff population that drive the real estate requirements for learning. These have then been applied to prioritized existing locations to be improved and expanded progressively over the next 15 years.
In Fall 2015, 19,577 undergraduates, 1,980 masters, and 151 doctoral student FTEs were enrolled at UTRGV. In addition, our calculations have included 55 students enrolled at the new Medical School in 2016. The faculty/staff and faculty/student ratios are 2:1 and 19:1. Existing net learning space of 675,077 sqft is being supplemented by an additional 198,869 net sqft currently under construction at Edinburg and Brownsville. The deficit in learning space indicated by our hybrid space prediction model is 176,000 net sqft.
In 5 years time we are anticipating overall FTE enrollment growth to be 18%, with 22,514 undergraduates (+15%), 3,465 masters (+75%), 204 doctoral (+35%) and 201 Medical School (+365%) students. Faculty/Staff and Faculty student ratios remain as they were in Fall 2015. The requirement for an additional 339,000 net sqft of learning space, plus the existing deficit will be absorbed by improvements in space utilization, increased online learning, plus targeted renovations. These include a 99,000 sqft renovation of the Clinical Education Building (CEBL) for the School of Nursing, simulation center enhancements and other Health sciences programs and expansion in use of the Harlingen University Center. Additionally, the McAllen Teaching Center (11,500 sqft), Rio Grande City facility (16,000 sqft) and Weslaco Innovation Center will also be renovated. (Areas include offices and support). During this period we also anticipate expansion of the AIME sites.
In 10 years time we are anticipating overall FTE enrollment growth to be 18%, with 25,891 undergraduates (+15%), 6,064 masters (+75%), 265 doctoral (+35%) and 201 Medical School (no change) students. Faculty/Staff and Faculty student ratios remain as they were in Fall 2015. The requirement for an additional 230,000 net sqft of learning space, will be absorbed by improvements in space utilization, increased online learning, plus new building projects. These include a 100,000 sqft expansion for Health Sciences programs at Harlingen. Additional expansions will occur at Brownsville (75,000 sqft), Edinburg (75,000 sqft), McAllen (20,000 sqft), Weslaco (20,000 sqft). (Areas include offices and support). 25,000 sqft of learning will also be embedded in the new research building at Port Isabel. During this period we also anticipate expansion of the AIME sites to encompass a wider range of experiential learning programs.
In 15 years time we are anticipating overall FTE enrollment growth to be 18%, with 28,480 undergraduates (+10%), 10,308 masters (+70%), 384 doctoral (+45%) and 201 Medical School (no change) students. Faculty/Staff and Faculty student ratios remain as they were in Fall 2015. The requirement for an additional 326,000 net sqft of learning space, will be absorbed by improvements in space utilization, increased online learning, plus new building projects. These include a 100,000 sqft expansion for Health Sciences programs at Harlingen. Additional expansions will occur at Brownsville (100,000 sqft), Edinburg (100,000 sqft), McAllen (50,000 sqft), Weslaco (50,000 sqft). (Areas include offices and support).
Enrollment growth, improvements, and increases in accessibility provided by a decentralized UTRGV will depend on the successful implementation of a new operational approach to learning delivery. This includes prioritizing program delivery in strategic locations, aligning learning with thematic research focuses, library and student services and enabling learning to anywhere, from anywhere using enhanced online and hybrid technologies.
Enrollment growth, improvements, and increases in accessibility provided by a decentralized UTRGV will depend on the successful implementation of a new operational approach to learning delivery. This includes prioritizing program delivery in strategic locations, aligning learning with thematic research focuses, library and student services and enabling learning to anywhere, from anywhere using enhanced online and hybrid technologies.

Campuses and Sites contain a critical mass of learning, research, library, student services and support facilities, together with a major Bus Rapid Transit interchange. In addition to Brownsville and Edinburg, there will be major renovation and expansion at Harlingen focused on interprofessional learning and research in the health sciences.

Campuses/Sites:
- Edinburg: All programs
- Brownsville: All programs
- Harlingen: Health Sciences

15-Year Growth Potential:
- Brownsville: 10,800 FTE*
- Edinburg: 20,000 FTE*
- Harlingen: 5,300 FTE* (includes Harlingen University Center)

Increase learning on campus.

* Approximations based on 70% classroom utilization, 60 hour teaching week, 70% seat fill, and average 14.5 contact hours. Targets achieved in 15 years.
Academic Hubs and their focuses:

- **Rio Grande City**: General education and liberal arts
- **Weslaco**: Business, entrepreneurship, and innovation
- **McAllen**: General education and liberal arts
- **Port Isabel / South Padre Island**: Water, coast and oceans

*Approximations based on 70% classroom utilization, 60 hour teaching week, 70% seat fill, and average 14.5 contact hours. Targets achieved in 15 years.*
How will we get there?

Enrollment growth, improvements, and increases in accessibility provided by a decentralized UTRGV will depend on the successful implementation of a new operational approach to learning delivery. This includes prioritizing program delivery in strategic locations, aligning learning with thematic research focuses, library and student services and enabling learning to anywhere, from anywhere using enhanced online and hybrid technologies.

The goal of the Community Hubs is to provide experiential team based education for small interdisciplinary groups of students to improve the health of the population while providing public service. Initially focused on Ambulatory Interprofessional Medical Education (AIME), the program will provide 150 Medical and Health Professions students opportunities to partner with community members at 6 locations to understand the needs of their communities and develop integrated solutions. Over the next 5 years, as the program gains traction, it is anticipated that around 600 students from a wider range of UTRGV disciplines could be learning, researching and working in around 25 locations across the Valley.

Existing AIME Sites:
- Alamo Community Resource Center
- City of La Feria Facility
- San Carlos Community Resource Center
- El Paraiso Hidalgo Community Facility
- Proyecto Desarrollo Humano
- La Victoria Starr County Facility

Learning through experience.
Enrollment growth, improvements, and increases in accessibility provided by a decentralized UTRGV will depend on the successful implementation of a new operational approach to learning delivery. This includes prioritizing program delivery in strategic locations, aligning learning with thematic research focuses, library and student services and enabling learning to anywhere, from anywhere using enhanced online and hybrid technologies.

Pop-Up Hubs are small interventions at existing retail or community-owned sites that spread awareness for UTRGV, provide student support services, have a wi-fi connection, or other much-needed services. These sites may be public libraries, health and community centers, high-traffic stores, or other public or private locations scattered throughout the Valley. No tenant improvement needed.

Potential Pop-Up Hub Locations:

- Public libraries
- Local retailers
- Medical Centers
- Education Partners
- Community Sites

Pop-up locations increase community engagement.
Pop-up locations increase community engagement.

Learning at UTRGV will be spread across the Valley, taking advantage of existing resources at UTRGV locations, and investing strategically to create a distributed collection of Centers of Excellence.
Distributed Learning
Learning at UTRGV will be spread across the Valley, taking advantage of existing resources at UTRGV locations, and investing strategically to create a distributed collection of Centers of Excellence.
Learning in **HARLINGEN**

Harlingen will be developed to accommodate enrollment growth in the health sciences. Renovation of the Clinical Education Building will increase specialized learning, teaching lab and library space, but will require the relocation of Medical School and other administrative offices. Renovation of the second floor of the Clinical Research Building will improve simulation facilities and their utilization. Increased use of the nearby Harlingen University Center will enable greater growth in health sciences enrollment to be absorbed.
Learning in HARLINGEN

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Classification: Campus/Site
Focus: Health + Medical Education
Program Areas
- Medical School
- Nursing
- Nutrition Science
- Physical Therapy
- Pharmacy
Learning Projects:
Year 5:
- Clinical Education Building Renovation (99K GSF)
- Smart Hospital Renovation (23K GSF)
- Harlingen University Center Expansion of Use (33K GSF)
Year 10:
- Health + Medical Education Learning Building (100,000 GSF)
Year 15:
- Health + Medical Education Learning Building (100,000 GSF)

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Year 10:
- Health + Medical Education Learning Building (100,000 GSF)

Year 15:
- Health + Medical Education Learning Building (100,000 GSF)

Learning in HARLINGEN

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**Classification:** Campus/Site  
**Focus:** Health + Medical Education

**Program Areas**
- Medical School
- Nursing
- Nutrition Science
- Physical Therapy
- Pharmacy

**Learning Projects:**

**Year 5:**
- Clinical Education Building Renovation (99K GSF)
- Smart Hospital Renovation (23K GSF)
- Harlingen University Center Expansion of Use (33K GSF)

**Year 10:**
- Health + Medical Education Learning Building (100,000 GSF)

**Year 15:**
- Health + Medical Education Learning Building (100,000 GSF)

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**Clinical Research Building**  
Second Floor - Smart Hospital

Renovation in conjunction with the move of Health Affairs programs will provide greater utilization for a wider range of interprofessional experiential learning opportunities.

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Harlingen will be developed to accommodate enrollment growth in the health sciences. Renovation of the Clinical Education Building will increase specialized learning, teaching lab and library space, but will require the relocation of Medical School and other administrative offices. Renovation of the second floor of the Clinical Education Building will improve simulation facilities and their utilization. Increased use of the nearby Harlingen University Center will enable greater growth in health sciences enrollment to be absorbed.
Learning in EDINBURG

Edinburg

It is anticipated that enrollment growth over the next 5 years will be accommodated by improvements in classroom utilization, together with increases in online learning and the completion of current approved classroom projects. From year 5 to year 15 the construction of two new interdisciplinary classroom buildings will accommodate enrollment growth.
McAllen Teaching Center

It is anticipated that the existing McAllen Teaching Center will be renovated and its program offerings broadened to accommodate a wider base of hybrid learning opportunities. Through improvements in utilization and hours of use there is the opportunity to accommodate approximately 450 FTEs within 5 years (Currently approximately 100 FTE at 18% Utilization). Over the long term, it is anticipated that this academic hub would expand through relocation and increased utilization to over 1,000 FTE.
Learning in McALLEN

McAllen Teaching Center

It is anticipated that the existing McAllen Teaching Center will be renovated and its program offerings broadened to accommodate a wider base of hybrid learning opportunities. Through improvements in utilization and hours of use there is the opportunity to accommodate approximately 450 FTEs within 5 years (Currently approximately 100 FTE at 18% Utilization). Over the long term, it is anticipated that this academic hub would expand through relocation and increased utilization to over 1,000 FTE.

Currently utilized at an average of 18%, this location holds significant opportunities for increasing learning accessibility.

Classification: Academic Hub
Focus: Multi-disciplinary

Program Areas
- Education
- Business
- Liberal Arts
- Other classroom-based learning

Learning Projects:
Year 5:
- Renovation of the Teaching Center (12K GSF)
- Improvements in classroom utilization to 45%

Year 10:
- Expansion and/or relocation of Teaching Center (20K GSF)
- Improvements in classroom utilization to 55%

Year 15:
- Expansion and/or relocation of Teaching Center (50K GSF)
- Improvements in classroom utilization to 65%
Learning in

**RIO GRANDE CITY**

**Rio Grande City Center (Currently Upper Level Center)**

It is anticipated that the existing Upper Level Center will be renovated and its program offerings broadened to accommodate a wider base of hybrid learning opportunities. Through improvements in utilization and hours of use there is the opportunity to accommodate approximately 700 FTEs.
Currently utilized at an average of 18%, this location holds significant opportunities for increasing learning accessibility.

**Learning in**
**RIO GRANDE CITY**

Rio Grande City Center (Currently Upper Level Center)

It is anticipated that the existing Upper Level Center will be renovated and its program offerings broadened to accommodate a wider base of hybrid learning opportunities. Through improvements in utilization and hours of use there is the opportunity to accommodate approximately 700 FTEs.
Weslaco Center for Innovation and Commercialization (CIC)

The Center for Innovation and Commercialization will open late 2017 and subject to its success, it is envisioned that it would be expanded during the next 5 years. Over the next 15 years it is envisioned that this site would be expanded to become a small campus/site accommodating a wider range of multidisciplinary learning and eventually a Graduate School of Business.
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WESLACO CENTER FOR INNOVATION AND COMMERCIALIZATION

Classification: Academic Hub
Focus: Business + Entrepreneurship

Program Areas
- Innovation
- Entrepreneurship
- Economic Development
- Business, Management

Learning Projects
Year 5:
- Center for Innovation and Commercialization (16,200 GSF)
- CIC Expansion (7,000 GSF)

Year 10:
- Multidisciplinary Classroom Expansion (20K GSF)

Year 15:
- Multidisciplinary Classroom Building (50K GSF)

Learning in WESLACO

Weslaco Center for Innovation and Commercialization (CIC)
The Center for Innovation and Commercialization will open late spring 2017 and subject to its success, it is envisioned that it would be expanded during the next 5 years. Over the next 15 years it is envisioned that this site would be expanded to become a small campus/site accommodating a wider range of multidisciplinary learning and eventually a Graduate School of Business.
The collaborative partnership between UTRGV, the City of Weslaco, and the Weslaco Economic Development Center (WEDC), will expand the UTRGV Robert C. Vackar College of Business and Entrepreneurship's existing Center for Innovation and Commercialization.

Weslaco Center for Innovation and Commercialization (CIC)

The Center for Innovation and Commercialization will open late spring 2017 and subject to its success, it is envisioned that it would be expanded during the next 5 years. Over the next 15 years it is envisioned that this site would be expanded to become a small campus/site accommodating a wider range of multidisciplinary learning and eventually a Graduate School of Business.
Learning in BROWNSVILLE

It is anticipated that enrollment growth over the next 5 years will be accommodated by improvements in classroom utilization, together with increases in online learning and the completion of current approved classroom projects. From year 5 to year 15, the construction of two new interdisciplinary classroom buildings will accommodate enrollment growth.
The goal of the UTRGV Interprofessional Practice and Education (IPE) program is to provide experiential learning opportunities for interdisciplinary student teams to improve the health of communities while providing public service. Six sites have been offered by Community health organizations for this purpose at no expense and are currently under consideration by UTRGV. Expansion of these AIME sites from 6 to more than 25 over the next 5 years will enable wider groups of students to engage directly in health and wellness programs region wide. Following successful implementation, it is likely that program offerings at these sites could be broadened to non-health disciplines and research.
Successful transformation resides in a learning initiatives team with the empowerment to take on the development of facilities as well as academic business, human resources and operations planning. An enhanced planning team that was involved with both the Master Plan and Strategic Plan would be ideal.

Strategic Initiatives Schedule

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<tr>
<th>UTRGV MASTER PLAN STRATEGIC INITIATIVES SCHEDULE</th>
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<tr>
<td>UTRGV Master Plan</td>
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<td>UTSGV Master Plan</td>
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Learning Strategic Initiatives Schedule

The Learning Initiatives team will develop a detailed enrollment model for each of the campuses/sites and academic hubs, together with a PhD program expansion plan. This would be integrated with utilization improvement, academic hub renovation and marketing plans to ensure that growth targets can be met with efficient learning delivery in all locations.

To view the complete strategic initiatives schedule, click here.
# Learning Capital Projects Schedule

Years 0-5 are focused on leveraging existing resources and accommodating the 18% enrollment growth target at existing locations through improvements in efficiency and utilization and by targeted renovations at the Academic Hubs. Years 5-10 are focused on targeted expansions across all locations. Major emphasis will be on the growth of the Harlingen site as a center for Interprofessional health sciences education. Years 10-15 see a continuation of the expansions and perhaps relocations to consolidate enrollment growth in strategic locations.

To view the complete strategic capital projects schedule, [click here](#).
Introduction

In positioning UTRGV to be a model of the distributed university of the future it is important that the provision of support services is synchronized with enrollment and Faculty/Staff population growth, and undertaken in locations of greatest need using future focused working processes and technologies. Support services includes offices (type 300 spaces), library (type 400 spaces), and operational support (type 700 spaces). While the hybrid space prediction model uses population growth factors to determine real estate requirements for these typologies, it does not cover student unions, housing, sports or recreation. The requirements for these areas have been covered by using previous feasibility studies and national benchmarks. This master plan does not cover sports, and housing is covered using previous master plan information. The design team recommends that further master planning of these typologies takes place in the near future.

Working with UTRGV Leadership, in coordination with the UTRGV Strategic Plan and using Fall 2015 data, the Design Team has developed a series of target capital projects for support spaces. In order to correctly size future capital projects office, conference room and associated workplace functions have been distributed across learning, research, library, administration and support.
The space prediction model and the benchmarking studies undertaken by the team highlighted significant shortfalls in existing support services space provision. The disparities were especially pronounced in library space (160,621 net square feet) with the shortfall in offices and support services at 46,168 and 43,427 net square feet respectively. Tours of UTRGV facilities highlighted the need for expanded library and union space, especially in Brownsville.
To make up library shortfalls and to align space provision with enrollment growth we are recommending the development of a 100,000gsf book repository at an off-campus location. This would enable space to be vacated and renovated firstly at Brownsville (150,000gsf) and then at Edinburg (150,000gsf). Operational support services shortfalls would be covered by new 75,000gsf facilities at Edinburg and Brownsville and administration by an 80,000gsf development at a yet to be determined location. Union upgrades and expansions at Brownsville (75,000gsf) and Edinburg (100,000gsf) are based on previous feasibility studies and benchmarking. It is also anticipated that there will be upgrades to Brownsville sports fields at the Duckhead and at Edinburg.
In ten years’ time, to align space provision with enrollment growth we are recommending the development of a 50,000gsf mixed use library / knowledge center on the new health sciences site at Harlingen. This facility would incorporate student union and student services along with study space. In addition, there would be similar expansions of 130,000gsf at Brownsville and Harlingen. Administrative and operational support services needs will be covered by 35,000gsf and 90,000gsf developments. A 50,000gsf expansion at the Union in Edinburg will provide conference facilities identified in a previous feasibility study.
In 15 years' time, to align space provision with enrollment growth we are recommending the development of 200,000 gsf in libraries across all locations. Administration will require an additional 35,000 gsf and operational support services an additional 120,000 gsf, spread across all locations. In terms of recreation, at this point, it may be desirable to either purchase the existing shared recreation center at Brownsville or develop a new 100,000 gsf facility. The Brownsville Duckhead will also benefit from upgrades to its existing facilities. At Edinburg, there will be a requirement for a new 50,000 gsf wellness center as well as sports fields upgrades.
The role of the library at universities across the country is in a period of transformation as leadership and staff come to terms with declining traditional usage, new skill sets, new technologies, and changing expectations of their clients. At UTRGV the Library is poised to commence realignment with the needs of a decentralized university focused on positive impact across the Rio Grande Valley. This will be achieved by providing new content creation, making, study and advisory services on the campuses/sites, by providing custom knowledge management services embedded in the theme based centers of research excellence, and by providing hybrid digital / assistance in the Academic and Community Hubs. The transition to a new operating model will not only require new skills and procedures, but also significant investment in capital projects. The first step is in the freeing up of space in libraries by moving printed material to an off-campus Book repository.

The size of an offsite book repository depends on the type of storage solution. Estimates for 500,000 volumes, plus additional office, support and storage would be as follows: Using standard shelving, 63,000 linear ft. requires a 40,000 nsf. building. Using compact shelving, 63,000 linear ft. can be accommodated in a 22,000 nsf. building. Using high density storage as little as 6,000 sq.ft. could be required. Regardless of storage type and size, the facility would require climate control to preserve the materials. This may dictate whether or not an existing building is feasible. Based upon the assumptions above, moving 500,000 volumes into offsite storage would vacate approximately 63,000 linear feet of shelving.
Administration

Administrative services cover all the business functions undertaken by a university, including leadership, finance and operations, information technology, marketing and communications, research administration and economic development.

The projects outlined for administration exclude student services. Student services will be provided in library and student unions in line with growth in enrollment.

As the location of any Administrative service is not tied to any particular campus/site it was decided by UTRGV leadership to not specify a location in this master plan.

Support Services

Support services includes all data processing/computer rooms, shops, post, storage, vehicle storage, deliveries, facilities operations and maintenance and associated service areas.

With the advent of university operations spanning numerous locations across the Valley it makes sense for these services to be decentralized also.

A detailed operational study will be required in the future to determine exact functions and locations moving forward.
The student unions at both Edinburg and Brownsville are undersized, not only for the current student enrollment, but also for the predicted growth of around 18% every five years. Student surveys for the Edinburg Union highlighted overcrowding, poor food quality, noise and lack of useful functions. Additionally, lack of event and conference space is hindering revenue generation opportunities.

The UTRGV union of the future will be an integrated experience that happens as students interact digitally as well as physically.

As well as traditional planned and ad-hoc social encounters in the hallway, dining hall, auditorium, meeting room, and fitness center, a decentralized UTRGV student union experience should also take advantage of social media to generate a sense of meaningful involvement in student activities. We propose a UTRGV version of a social media app that links all the decentralized "high tech" academic environment with the "high touch" academic experience.

Proposed UTRGV "Get Connected" App (Click to enlarge)
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Recreation

Sport and recreation services at UTRGV will require future detailed review and so the initiatives illustrated in this master plan are derived from the previous UTPA / UTB master plans and feasibility studies that have been undertaken since they were completed.
Housing

Although the master plan indicates locations for Housing based on previous master plan studies, a detailed housing study is required to determine the exact locations, types, market targets and pricing.

Likely additions will include graduate housing in Weslaco, medical student housing in Edinburg, and student residence halls in Edinburg, Brownsville, and Harlingen.

Edinburg Student Housing (Heritage Hall)

Brownsville Student Housing (Casa Bella)
Over the next 15 years we will establish an integrated network of physical and digital support services across the Rio Grande Valley. Libraries, Student Unions, Recreation, Sports, Housing, Administration and operations will use the latest technologies coupled with new service focused methodologies to provide high quality, cost effective and accessible services in all locations.
**EDINBURG Library:**

Edinburg has 164,517 gsf housing 800,000 volumes in 99,431 linear ft. of shelving. With the creation of the new book repository, approximately 350,000–400,000 volumes in 24,654 linear feet of shelving could be removed from the 4th floor of the Edinburg Library. This would enable the rearrangement of many of the services within the Edinburg Library building to create greater efficiencies between units and design spaces that are better calibrated for student use and workflow efficiency.

- Relocation of Special Collections from the 1st Floor to the 4th Floor, for an expansion of workspace, display, and improved reading areas.
- Relocation of Interlibrary Loan/Document Delivery from the 3rd Floor to 1st Floor, aligning the service more closely with Circulation.
- Creation of additional computer lab space on the 1st Floor, either as a specialty area, or as an after-hours lab. Locating it on the 1st Floor puts it closer to the entrance, and makes it easier to lockdown other parts of the library.
- Repurposing the 3rd Floor space for a specialty area, such as a multimedia studio.
- Creating locking study carrels throughout the building’s upper floors, beginning on the 4th floor. In partnership with the Office of Globalization, these carrels would be used by international students. Additional carrels would be created for the exclusive use of graduate and PhD students.
EDINBURG

Student Union:

The 2010 Student Union Expansion Study undertaken by Perkins and Will has been used as the basis for determining the future needs in Edinburg. The study identified a target of 125,800gsf (78,400nsf) with 83,800gsf new construction and 42,000gsf being renovations.

Highlights of the project include a new main street, 170% increase in retail dining, 130% more student organization space, 300% more lounge space at 10,800sf ballroom, 50% increase in convenience store space, 8 new meeting rooms and improvements to services access.

Recent renovations were undertaken to improve retail dining areas, leaving a total of 100,000gsf of renovations and expansion remaining to be undertaken in the next five years.

Given the site design associated with the new Engineering Building to the north, the relationship of a proposed northern expansion of the Union in relation to pedestrian circulation should be reassessed as part of a future design process.
The sports fields to the north west and the track / soccer / track fields to the south west have been identified as requiring lighting and playing surfaces upgrades. In addition, a field house and wellness center (50,000gsf) have been proposed for the northwestern area.

These sites, occupy prime real estate that may be better served by future building development, so while this master plan identifies these projects in these locations, we recommend a future study to be undertaken to determine the cost / benefit of upgrades versus moving to a new location.
BROWNSVILLE

Library:
Brownsville has 45,375gsf housing 100,000 volumes in 10,979 linear ft. This library will see the greatest impact from relocation of materials. Roughly 90% of the volumes in Brownsville would be moved into offsite storage. This will empty the 2nd Floor of the Brownsville Library. Additionally, books still housed on the Texas Southmost College (TSC) campus will be moved directly into offsite storage, as there is no space available in the Brownsville Library at this time.

Much of the space in the Brownsville building is already well apportioned. Removing the book stacks will allow for the creation and slight expansion of some existing services as follows:

- Creation of a Special Collections room on the vacated 2nd Floor to accommodate materials still located at TSC. This would include workspace, display spaces, and reading areas.
- Creation of specialized multimedia lab space on the 3rd Floor, utilizing existing study space.
- Expansion of quiet areas and study spaces on the 2nd Floor to make up for losses on the 3rd Floor.
BROWNSVILLE

Student Union:

The Union at Brownsville is an 11,000nsf facility accommodating around 5,600 FTE students. The probable expansion of UTRGV enrollment by up to 18% every 5 years, it would appear that expansion of the Student Union would be appropriate.

Benchmarks of area per student across Texas Universities provided by UTRGV vary from a low of 1.574 to a high of 11.6gsf per student.

Taking an average of 8gsf per student suggests an expansion area at Brownsville of 75gksf. A detailed design study will be required to verify this estimate and determine the exact functions required moving forward.
BROWNSVILLE

Recreation:

The Duckhead property at Brownsville is an environmentally sensitive area, but which houses playing fields and a small field house.

Moving forward, a recent feasibility study identified this location for future expansion of appropriately scaled recreation uses. The proposed upgrades include improvements to a perimeter walking/jogging trail with rope/climbing/zip line locations combined with observation and feed platforms for local wildlife.

Shoreline improvements would allow access for water based activities.
HARLINGEN

Library, Student Services, and Student Union:

The Harlingen library, at 11,669gsf, has 17,000 volumes in 1,440 linear ft. of shelving, along with classroom and study space. At this point in time, there is no plan to remove shelving from the Library in Harlingen. It does not house many volumes. In fact, materials from Brownsville are likely to be relocated here as the progressive growth of Harlingen as a Health Sciences Campus/Site occurs. It is also a space used by the public.

Moving into the future, as enrollment grows quickly on this new site, the design team is proposing a development of a 50,000gsf mixed use library / knowledge center. This facility would incorporate student union and student services along with study space.
ACADEMIC HUBS IN RIO GRANDE CITY, McALLEN, PORT ISABEL, AND WESLACO

Library, student and employee services provided at the academic hubs will be scalable, based upon the needs and usage statistics for each specific site. These sites will be more likely to include access to electronic resources, making hybrid digital/video assistance more feasible.

Librarians, student services and operations staff could also make part time visits to various locations, providing onsite assistance. Library and other materials can be retrieved and dropped off at these sites, coordinated either by the University or through a dedicated courier on a daily basis. Students and staff would be notified via e-mail when deliveries arrive at these hubs.
COMMUNITY HUBS

Support services at Community Hubs will be minimally staffed, with digital connectivity being key to the UTRGV presence.

Access to electronic resources in locations not owned by UTRGV may rely on proxy services. Library, student and employee services at this level would be minimal, including reference / research assistance and advice via chat, Skype, or similar communication.

No library or student services materials would be delivered to or from these locations.
Successful transformation resides in Library, Student Services, Student Unions, recreation, administration and operations initiatives teams with the empowerment to take on the development of facilities as well as academic, business, human resources and operations planning. An enhanced planning team that was involved with both the Master Plan and Strategic Plan would be ideal.

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<th>UTRGV MASTER PLAN STRATEGIC INITIATIVES SCHEDULE</th>
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Library: Strategic  Library: Academic Hubs  Library: Renovations / Expansions
**Support Strategic Initiatives Schedule**

A library strategic plan will enable the development and implementation of initiatives that align new services, new skill sets with new space types and expansion of learning and research. Likewise, plans for student unions, support services and administration will enable detailed assessment and implementation of new operation methodologies for the decentralized UTRGV.

To view the complete strategic initiatives schedule, click [here](#).
Support Capital Projects Schedule

Years 0-5 are focused on catching up on previous shortfalls in libraries and Unions, engaging with enrollment growth and consolidating administrative / operational support. Years 5-10 build on previous consolidation to match enrollment growth and changes in academic practice for libraries and student services. Years 10-15 match enrollment expansion with targeted developments.

To view the complete strategic capital projects schedule, click here.
CONNECTIVITY

Transportation

Data / IT
The vision for transportation in the Rio Grande Valley is to ensure there are convenient alternatives for people to move to and from their homes and between the education locations and community hubs. Our goal is for vehicle use, parking and transit to be convenient, reliable and extensive.
The majority of staff and students today use personal vehicles to get to campuses/sites, either by means of drop-off or parking on-site. There are transit options available provided by Valley Metro, Metro Connect and the Vaquero Express services that currently operate throughout the Valley; these services are infrequent and currently do not provide the level of convenience to attract users as an attractive alternative.

Our goal is to consider how to improve the transit service such that we can attract staff and students who have alternatives; this in turn would help us alleviate parking demand on the campuses/sites and provide a more sustainable transportation solution.

Edinburg currently has 8,000 parking stalls and staff believe there is a shortfall of 1,000 spaces; while Brownsville has minimal parking with 2,500 stalls including leased spaces from TSC, with the lease expiring in 2017, while staff use street parking.
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<tr>
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<th>2017</th>
<th>2022</th>
<th>2027</th>
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<td>Parking Spaces at Hubs</td>
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There will be a number of iterations and improvements to transit, parking, bicycle and pedestrian movement as the campuses/sites develop and grow. The immediate priority is to improve transit movement before 2020 and actions commencing in 2017 will include a funding application by Valley Metro in conjunction with the Lower Rio Grande Valley Development Council to the State Legislature to support the procurement of additional fleet; if successful this will provide for more frequent service and per the schedule below it is anticipated this can be realized before the 2018/19 academic year.

In addition the University will be initiating a study into a Valley-wide bus rapid transit (BRT) service which will aim to have Federal and State funding for a major transit expansion. We anticipate funding will be in place to enable an early fleet procurement by end of 2019 and have even more buses operating in time for the 2019/20 academic year. During this period it is intended to have community hubs located in various locations which will act as transit centers, allowing students and staff closer to the hubs to use transit more conveniently as well as potential for park & ride capability to save on trips to campuses/sites and make for simpler and cheaper drop-off.

The campuses/sites will continue to work on safer pedestrian and bicycle movement to encourage alternative transportation as much as possible and overall avoid the need for increased investment in parking.
The bus rapid transit (BRT) study, planning, grant applications and environmental clearances are targeted for completion in early 2020 with design and construction of the BRT system aiming to be complete by the summer of 2022, bringing the new optimum service online in time for the 2022/23 academic year.

As described elsewhere this will provide frequent, comfortable and convenient service between campuses/sites as well as major transit hubs for park & ride and simple drop-off. The service will aim to have a minimum headways of 20 minutes with a trip time between Brownsville and Edinburg of 88 minutes. The CEBL will act as a major transfer and layover stop and it is envisaged, based on preliminary analysis, that CEBL to Brownsville will require 60-ft articulated buses while CEBL to Edinburg can operate with the more traditional 45-ft standard bus.

Minimum ridership by 2027 is predicted to be between 12,000-15,000 users per day although some detailed modeling will be required to confirm these numbers, which in turn will impact fleet type and size.

Buses will be designed to provide the same quality as rail service with level boarding, Wi-Fi service, drop down tables for commute working, air-conditioned waiting rooms all within a safe, clean, app-friendly and user-friendly environment with real-time monitoring and information. The overriding goal is to have people make the choice of transit ahead of using their own vehicles and we aim to achieve this by 2022 by using Federal, State and local funding.

The largest funding challenges faced by the University and the bus service operators will be operating costs for drivers, administrative staff, policing of the route, maintenance, fuel and many other high cost but necessary activities. This will require continual funding and the logistics for this will need to be resolved between Federal, State, University and local agencies.
The proposed bus rapid transit (BRT) service will be designed to continually improve; meaning increase fleet size to shorten headways and waiting times. We anticipate some increased signalization improvements as the BRT operations become more frequent will result in shorter trip times to as low as 85 minutes from Brownsville to Edinburg.

Park & ride service is also expected to increase with staff and students taking advantage of driving shorter trips to their local transit hub so parking capability at the transit hubs (meaning not on Edinburg or Brownsville sites) is expected to increase from approximately 4,000 stalls in 2022 at service opening to 8,000 stalls by 2032.

This in turn should start to result in further reduced parking demand on the campuses/sites and this can provide opportunity for new buildings or green space to start replacing the large concrete lots currently in existence at Edinburg and alleviate the challenges at Brownsville.

During the period leading up to 2032 it is also envisaged we see an increase in bicycle use and campuses/sites (as well as community hubs) will continue to improve their environment for pedestrian and on-campus/site bicycles.

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<tr>
<th>TYPE</th>
<th>LOCATION</th>
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<td>Transportation</td>
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<td>Parking Spaces at Hubs</td>
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The transit system will develop in stages and its success will be based on fleet size – the greater the number of buses, the shorter the waiting time providing higher convenience. There are many other factors involved but this is the primary factor. As such the transit service will gradually improve as funding can be made available for both the procurement and operation of additional buses and as noted below there are applications to the next state legislature for the first procurement.

The proposed bus rapid transit (BRT) service will be designed to continually improve; meaning increase fleet size to shorten headways and waiting times. We anticipate some increased signalization improvements as the BRT operations become more frequent will result in shorter trip times to as low as 88 minutes from Brownsville to Edinburg.

Park & ride service is also expected to increase with staff and students taking advantage of driving shorter trips to their local transit hub so parking capability at the transit hubs (meaning not on Edinburg or Brownsville campuses/sites) is expected to increase from approximately 4,000 stalls in 2022 at service opening to 6,000 stalls by 2030.

This in turn should start to result in further reduced parking demand on the campuses/sites and this can provide opportunity for new buildings or green space to start replacing the large concrete lots currently in existence at Edinburg and alleviate the challenges at Brownsville.

During the period leading up to 2030 it is also envisaged we see an increase in bicycle use and campuses/sites (as well as community hubs) will continue to improve their environment for pedestrian and on-campus/site bicycles.

Transit System Development

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<th>Daily Ridership</th>
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<th>Travel Time (Minutes)</th>
<th># of Bus Seats</th>
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The transit service improvements described above, including the full BRT service, will occur in stages. The initial improvements in fleet to provide short term improved service will be available for the 2018/19 academic year; the second funding efforts for the full service will enable an additional increase in fleet size for the 2019/20 year and the full BRT service online for 2022/23.

There will obviously be continued improvements to the level of service after this time with a resultant rail quality service available to staff and students.

Costs for the full BRT service will be approximately $75 million but this represents the capital expenditure and not the yearly operating costs which will have a far more significant impact.

Given the importance of the transit service to the connectivity of the University there will need to be dialogue with Federal, State, University, other education institutions and local agencies to find a means to operate the service in the long term.
The transit system is designed around an express service that will have a minimum number of stops to minimize travel time; running from Edinburg, McAllen (by 2030), Weslaco, La Feria, Harlingen University Center, CEBL and Brownsville. The CEBL will act as a major transfer center with articulated bus service to Brownsville and standard bus service to Edinburg; CEBL is also envisaged to be a major park & ride with an excess of 1,000 parking stalls on opening day to serve the high population in the Harlingen area.
A New Public Transit Network

Bus Rapid Transit + Specialized Shuttles

The transit network will extend beyond the express route of Edinburg to Brownsville, with shuttle services providing connectivity to Rio Grande City, Port Isabel as well as local city services in and around the major transit hubs. The concept is to have a spine throughout the Valley with shuttle and local services feeding into that spine – this is equivalent to a rail service quality without the high cost and is appropriate for the ridership levels anticipated.
The express service from Edinburg to Brownsville has the goal of reducing this travel time to the absolute minimum, while providing adequate stops to offer convenient service to the users. The service is primarily on major expressways and the route and stops have been located to reduce the time spent on surface streets; the Harlingen Loop being the most significant with a 10-mile detour through 13 signalized intersections. To help optimize this we are proposing that the BRT buses get priority signals (meaning the traffic signals will be automated to change green for the buses) allowing a ‘green band’ to reduce this surface street travel time.
There are proposed shuttle bus routes from Rio Grande City to McAllen (or Edinburg until the McAllen hub is on line) and Port Isabel to Brownsville. The frequency of these services will be dependent on ridership and this may be enhanced by providing parking at Rio Grande City and Port Isabel to offer a clear choice to people who live in those communities. The shuttle services will provide the same quality of service as the BRT express service to encourage higher ridership.
**HARLINGEN TRANSIT LOOP** - Clinical Education Building + Harlingen University Center

- **PARK & RIDE TRANSIT HUB**
- **PROPOSED TRANSIT CENTER**
- **TSC Harlingen Site**
- **Harlingen University Center**
- **UTRGV Harlingen**

- **Convert to Bus Priority Signaling**
  (13 total signals)
**WESLACO TRANSIT LOOP** - Center for Innovation and Commercialization

- Convert to Bus Priority Signaling (7 total signals)

To be located close to Weslaco CIC:
- Future Graduate Housing
- Park & Ride / Transit Hub

Weslaco Incubator
Data connectivity is a key to success for any education campus; in the case of the distributed campus model it becomes essential and the quality and reliability of the data service needs to be designed to meet anticipated future needs for both teaching and research.
**Increased Data Connectivity**

**Improved Internet Bandwidth + Access**

Every campus/site building, Specialized Site and Community Hub will have 10 GB connectivity and at least 1 GB for the Pop-up Hubs. The goal is for staff and students to have full access to service that enables speed of data transfer and capability for future modes around video and holographic teaching for remote students. The proposed Community Hubs will have high quality service such that students can join classes from these remote locations with an expectation of reliability and quality data service.
STARGATE
UTRGV Spacecraft Tracking and Astronomical Research into Giga-hertz Astrophysical Transient Emission (STARGATE) is a public-private partnership between the Center for Advanced Radio Astronomy (CARA) at UTRGV and SpaceX.

AIME SITE | Proyecto Desarrollo Humano
Proyecto Desarrollo Humano is a collaborative effort between UTRGV and Hidalgo County that provides much-needed care to local community members.
EDINBURG - 2017

Existing Master Plan:
While the 2013 UT Pan American campus master plan suggested aggressive real estate development by tripling the amount of gross square feet, the proposed design framework remains a compelling and contextually appropriate set of guidelines. Primarily focused on developing the public realm, the design guidelines set forth a coherent campus pattern and civic structure composed of buildings, landscape, open space, courtyards and streets. In following these design guidelines, the UTRGV master plan maintains the campus form and building locations, but the building types and speed of delivery have been adjusted.

Recent Purchases:
In 2015, the UT System Board of Regents approved the acquisition of land planned for future expansions. The purchase includes 53 acres owned by Norquest Family Holdings Ltd., at the southeast quadrant of North Sugar Road and West Chapin Street adjacent to the current campus in Edinburg.
Existing Master Plan:
While the 2013 Brownsville campus master plan suggested aggressive real estate development on newly acquired land, the design framework remains a compelling and comprehensive set guidelines. The UTRGV master plan matches real estate development with new academic targets, lease space reevaluations, available land and upgrades to alleviate operational deficiencies. In following the 2013 design principles and guidelines, building locations have been maintained, but the building types and speed of delivery have been adjusted.

Recent Purchases:
In 2016, UTRGV acquired the historic Cueto building in downtown Brownsville and three parcels of land adjacent to the existing Casa Bella student housing. Totaling approximately 50 acres, the newly acquired parcels are at Jackson and FJMR Avenue and clustered around the existing Burger King building. At the time of the development of the master plan, UTRGV considered
STARGATE

UTRGV Spacecraft Tracking and Astronomical Research into Giga-hertz Astrophysical Transient Emission (STARGATE) is a public-private partnership between the Center for Advanced Radio Astronomy (CARA) at UTRGV and SpaceX.
HARLINGEN - 2017

Clinical Education Building (CEBL) (Formerly RAHC):
The Clinical Education Building houses UTRGV Administration and a library. The Harlingen Library is one of the libraries serving the UT Rio Grande Valley School of Medicine and also serves as the clinical library for UT Health Science Center at San Antonio students and residents on location in the Rio Grande Valley. Currently, as a percent of the total assignable square feet, 24.6% of the Clinical Education Building is used for Learning, 23.4% for Library and 52% for Office. When considered against the gross square feet, 20.2% of the building is used for Circulation, 10.4% for Mechanical and 6.2% for Storage/Service.

Academic + Clinical Research Building:
The first floor of the Clinical Research Building houses the VA and a UTRGV Primary Care Nursing Clinic, and the SMART Hospital on the second floor. Although utilization of the SMART Hospital is very low, it is an important part of the first and second year
Connectivity
Bus rapid transit with prioritized signaling along South Texas Blvd to Interstate 83

Center for Innovation + Commercialization
16,225 GSF mixed use incubator opening in Fall 2017
Connectivity
Bus rapid transit with prioritized signaling along South Texas Blvd to Interstate 83

Center for Innovation + Commercialization
Expansion into additional 7K space in the Weslaco EDC building
Connectivity
Bus rapid transit with prioritized signaling along South Texas Blvd to Interstate 83

Center for Entrepreneurship
Center for Innovation + Commercialization expands 20K GSF, expands Robert C. Vackar College of Business and Entrepreneurship

LOCATION
TIME
TYPE
+5 YEARS
+10 YEARS
+15 YEARS
TIME SLIDER
TIME SLIDER
TIME SLIDER
TIME SLIDER
New Park + Ride / Transit Center

Large parking structure to serve as a park + ride facility for the regional BRT network.

Center for Energy + Environment

New 210,000 GSF research building opens in 2032

Graduate School of Business

50K GSF expansion and opening of a new Graduate School of Business.

Connectivity

Bus rapid transit with prioritized signaling along South Texas Blvd to Interstate 83

Support

Housing, Union, Library functions to accommodate undergraduate and graduate students.

Executive Summary
Research Building at DHR
83K GSF Biomedical and general research building to open December 2017

Connectivity
Proposed McAllen bus circulator route that connects with regional bus rapid transit system

McAllen Advanced Tooling Engineering Center
Former manufacturing plant that houses 3D Printing and Prototyping

McAllen Teaching Site
11.5K GSF Multi-purpose academic space enabled with ITV technology

The University of Texas Rio Grande Valley
The University of Texas Rio Grande Valley

- McAllen Advanced Tooling Engineering Center
  - Building utilized at capacity and hub for premier advanced manufacturing partnerships

- McAllen Teaching Center
  - Optimized the use of the facility by improving classroom utilization and expanding program offerings

- Research Building at DHR
  - Fully populated with 16 Principal Investigators, each approximately responsible for $200K per year

- Connectivity
  - Proposed McAllen bus circulator route that connects with regional bus rapid transit system

- Executive Summary
Research Building at DHR
Productivity for each of the 16 PIs is envisioned to improve to around $300K in research expenditures per year.

McAllen Teaching Center
Highly utilized site with full range of classes, study space, and hybrid learning resources.

Connectivity
Proposed McAllen bus circulator route that connects with regional bus rapid transit system.
Research Building at DHR
Productivity for PIs is envisioned to improve to around $400K in research expenditures per year.

McAllen Advanced Tooling Engineering Center
Productivity for PIs is envisioned to improve to around $400K in research expenditures per year.

McAllen Teaching Center
Expansion at its current location or potentially relocating closer to the 281 + 83 interchange.

Connectivity
Proposed McAllen bus circulator route that connects with regional bus rapid transit system.
ECDCR | Child Development Center
Childcare facility for children ages 3 months to 5 years, open Monday-Friday, 7:30 am to 5:30 pm.

EBSBL | Baseball Stadium
UTRGV Athletics Baseball Stadium which seats 4,000 spectators, or up to 16,000 people for special events.

ESOCC | Soccer + Track & Field Complex
Athletics facilities for soccer and track and field.
EDINBURG - 2017

Existing Master Plan:
While the 2013 UT Pan American campus master plan suggested aggressive real estate development by tripling the amount of gross square feet, the proposed design framework remains a compelling and contextually appropriate set of guidelines. Primarily focused on developing the public realm, the design guidelines set forth a coherent campus pattern and civic structure composed of buildings, landscape, open space, courtyards and streets. In following these design guidelines, the UTRGV master plan maintains the campus form and building locations, but the building types and speed of delivery have been adjusted.

Recent Purchases:
In 2015, the UT System Board of Regents approved the acquisition of land planned for future campus/site expansions. The purchase includes 53 acres owned by Norquest Family Holdings Ltd. at the southeast quadrant of North Sugar Road and West Chapin Street adjacent to the current campus/site Edinburg.
UTRGV Intramural Fields Upgraded
Existing student recreational/intramural fields upgraded to include lighting and improved playing surfaces.

Central Utility Plant (CULP) Upgrades
Existing CULP and thermal plant are upgraded to meet growing infrastructure needs.

Student Union Expansion + Renovation
100,000 GSF (58,000 New Construction, 42,000 Renovation) provides space for student organizations, dining, + meeting.

Science Research Building
109,082 GSF science research building, to be completed in Spring of 2018.
Schunior Street Expansion
Schunior Street is widened and the Right-Of-Way transferred to the city of Edinburg.

Van Week St. Pedestrian Corridor
The segment of Van Week St. that passes through the site is converted to a pedestrian only corridor.

New Mixed-Use Dining Union/Library
New dining, library, and student union facilities with a new event space located near parking.

New Academic Building
New academic building with active learning spaces to be used by multiple departments.

New Central Utility Plant (CULP)
Newly constructed Central Utility Plant built to accommodate new buildings and growth.
New Athletics Fields
New multi-disciplinary research building
Opened in 2022
New Park + Ride / Transit Center
Large parking structure to serve as a park + ride
Nearby parking structures to serve as a park + ride
New Student Housing
New student residential halls to accommodate enrollment growth and increased on-site living.
New Medical School Student Housing
New student apartments to accommodate graduate students in the School of Medicine.
New Athletic Fields Phase 1
New athletic/soccer fields expand the site footprint west-ward.
New Multi-Disciplinary Research Building
210,000 GSF multi-disciplinary research building
Opens in 2032
New Student Housing
New student residential halls to accommodate enrollment growth and increased on-site living.
New BRT Transit Pick-Up Point
New BRT transit pick-up point at the northwest corner of Schunior Street and Sugar Road.

New Support Services Building
60,000 GSF Support Services building opens to accommodate increased space requirements.

New Wellness Center Expansion
50,000 GSF expansion to the student wellness center.

New Academic Building
Programs to be determined based on future department growth and projected space needs.

New Intramural Fields
New recreational/intramural fields located in the western site expansion, close to student housing + recreation.
Leased space within TSC’s Arts Center is used for music and performing arts programs.

103-unit student apartment-style residence halls, housing 429 students.
Support Services Building
75,000 GSF Support Services Building.

BRUST I Rusteberg Hall
Leased space within TSC building. Lease to expire in 2018, not to be renewed.

New Student Union
75,000 GSF new student union, providing increased space for student organizations, dining, and academic support.

BRT Transit Pick-Up Point
Brownsville BRT stop / transit pick-up point. Exact location to be determined.
Student Union Renovation - Administration
Conversion of existing student union building to an administration building with offices and support services.

Interdisciplinary Academic Building
New 54,769 Multi-Purpose academic building to be used across all programs.

Duckhead Project
New walking trails, recreational intramural fields, and outdoor program space totaling over 110 acres.
New 102,551 GSF academic building to be used by all academic departments featuring modern active learning classrooms.

50,000 GSF renovation to the existing library. Books transferred to 100,000 GSF off-site book repository.

150,000 GSF New library building that includes social learning, group work, and study spaces.

Central Utility Plant (CULP) Upgrades
Existing Central Utility Plant upgrades to accommodate existing demand.

BTACB | The Arts Center
Currently leased space owned by TSC. UTRGV looking to acquire the property.

Music, Science, and Learning Center
New 102,551 GSF academic building to be used by all academic departments featuring modern active learning classrooms.
New Central Utility Plant (CULP)
New Central Utility Plant and thermal storage facilities to increase infrastructure capacity.

Library Expansion
45,000 GSF library expansion.

Multi-Purpose Classroom Building
New 75,000 GSF academic classroom building to accommodate learning growth.
New Academic Building
100,000 GSF Multi-Disciplinary Academic Building, opening 2027

New Residence Halls
New student housing in both apartment-style and dormitory-style arrangements.

New Interdisciplinary Research Building
210,000 GSF Interdisciplinary Research Building containing labs, research offices, and general research support.
New Library Expansion
25,000 GSF Brownsville Library Expansion.

Student Recreation Center Expansion
100,000 GSF Student Recreation Center Expansion, completed 2032

New Support Services Building
95,000 GSF Support Services Building completed 2032

Academic + Clinical Research Building:
The Academic + Clinical Research Building contains the UTRGV Smart Hospital simulation center, as well as research spaces for UTRGV faculty and VA staff.

Harlingen Clinical Education Building:
Formerly known as the Harlingen RAHC, the Clinical Education building contains academic learning spaces dedicated to health sciences.
Renovate Clinical Education Building

Renovate administration and academic facilities to optimize existing space for growth in Health Sciences learning capacity.
- **Transit Center + Park & Ride Facility**: 70,000 SF Footprint with option to expand as ridership grows.
- **Interdisciplinary Health Sciences**: New 130,000 GSF interdisciplinary academic building for the health sciences programs.
- **Library/Union/Support/Administration**: As the student population in Harlingen grows, increased support and administration spaces are needed.
- **New Student Housing**: Student resident halls to provide student housing for growth in Harlingen.
New Central Utility Plant (CULP)
New Central Utility Plant and thermal storage facilities to increase infrastructure capacity.

New Support Services Building
New 42,000 GSF Support Services Building

Health Sciences Research Building
210,000 GSF Interdisciplinary Health Sciences Research building
PORT ISABEL / SOUTH PADRE ISLAND

Classification: Academic Hub
Focus: Environment

Program Areas
• Water, Coast, and Oceans Learning Center

Learning Projects:
Year 10:
• Water, Coast, and Oceans Learning Center (20K GSF)

Year 15:
• Improvements in classroom utilization to 65%
• Potential relocation of program space to Port Isabel

Coastal Studies Lab - South Padre Island
The current coastal studies lab will remain for the foreseeable future, but it is anticipated that learning facilities will be accommodated in a Water, Coast and Oceans research facility to be developed on 8 acres currently owned by UTRGV at South Padre Island.
The Harlingen University Center is a multi-institutional teaching center and contains approximately 20,000 SF of shared instructional and support spaces for program and degree delivery. As a partnership among multiple education institutions throughout the Valley, the goal of the Harlingen University Center is to provide affordable access to quality higher education in the delivery of unduplicated bachelor’s, master’s, and doctoral degree programs and services. Currently, as a percentage of assignable square feet, 68% of the Harlingen University Center is used for learning, 15.25% is used for library/union, and 6% for office. In order to accommodate enrollment growth over the next five years, a major area of opportunity is to improve utilization of the Harlingen University Center and expand the program offerings to develop it as an active UTRGV Academic Hub. With a long term goal to associate it as part of the Harlingen health sciences site, program offerings should relate to the health sciences programs and general education requirements.