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FOR
ACADEMIC AFFAIRS COMMITTEE**

Committee Meeting: 11/14/2013

*R. Steven Hicks, Chairman
Ernest Aliseda
Alex M. Cranberg
Brenda Pejovich
Robert L. Stillwell*

Board Meeting: 11/14/2013
Austin, Texas

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Adjourn	10:45 a.m.		

1. **U. T. System Board of Regents: Discussion and appropriate action regarding Consent Agenda items, if any, referred for Committee consideration**

RECOMMENDATION

The proposed Consent Agenda is located at the back of the book.

2. **U. T. Pan American: Approval of acceptance of gift of outdoor art of a bronze statue**

RECOMMENDATION

The Chancellor concurs in the recommendation of the Executive Vice Chancellor for Academic Affairs, the Vice Chancellor for External Relations, and President Nelsen that the U. T. System Board of Regents approve the acceptance of a gift of outdoor art at U. T. Pan American. The request is in accordance with Regents' *Rules and Regulations*, Rule 60101, Section 4.1, regarding outdoor works of art.

BACKGROUND INFORMATION

U. T. Pan American will receive a gift of a bronze statue depicting José de Escandón from John C. Cantu. See the proposed statue on the following page. Mr. Cantu is a semi-retired pharmacist, previously from the Rio Grande Valley, who is dedicated to providing higher education opportunities to students in South Texas. He has endowed scholarships at both U. T. Pan American and U. T. Brownsville. The estimated cost of the statue and base is \$100,000.

José de Escandón is known as the Father of the Lower Rio Grande Valley, South Texas, and Northern Mexico. He was given the authority in both Mexico City and Spain to lead the seven expeditions to erect settlements in the State of Tamaulipas and South Texas, in the area between the Rio Grande and the Nueces Rivers. Between 1748 and 1755, he established the Seis Villas del Norte (Six Villas of the North).

The statue, which is not yet completed, will stand approximately 8 feet tall and will be mounted on a granite base. Mr. Cantu will provide plaques for the monument that are similar to historical markers. The Seis Villas del Norte will be featured on six of the plaques. Another plaque will contain a map pinpointing the position of each of the Seis Villas del Norte settlements. On the principal plaque will be a brief narrative about José de Escandón composed by U. T. Pan American Professor Emeritus in Modern Language, Dr. Lino García.

Mr. Cantu plans to commission sculptor Roberto García, Jr., a former student and protégé of the late U. T. Austin Professor Emeritus, Dr. Charles Umlauf, to create the bronze statue. Mr. Cantu will contract with a third party for the granite base. The statue and granite base may collectively weigh five to seven tons. Once the sculptor is commissioned, the statue should be completed within approximately 12 months.

Installation costs are included in the estimated cost of the statue. There are no maintenance costs anticipated. The installation of this statue is within with U. T. Pan American's Campus Master Plan.



3. **U. T. Permian Basin: Approval of acceptance of gift of outdoor art of a bronze sculpture**

RECOMMENDATION

The Chancellor concurs in the recommendation of the Executive Vice Chancellor for Academic Affairs, the Vice Chancellor for External Relations, and President Watts that the U. T. System Board of Regents approve the acceptance of a gift of outdoor art of a bronze sculpture at U. T. Permian Basin. The request is in accordance with Regents' *Rules and Regulations*, Rule 60101, Section 4.1, regarding outdoor works of art.

BACKGROUND INFORMATION

U. T. Permian Basin will receive a gift of a life-sized bronze sculpture of a cowboy driving cattle from Mr. Richard Gillham, a university supporter and local artist. Mr. Gillham coordinated the purchase of the gift with the support of the Odessa City Council, President Watts, and other private donors. The estimated cost of the sculpture is \$400,000.

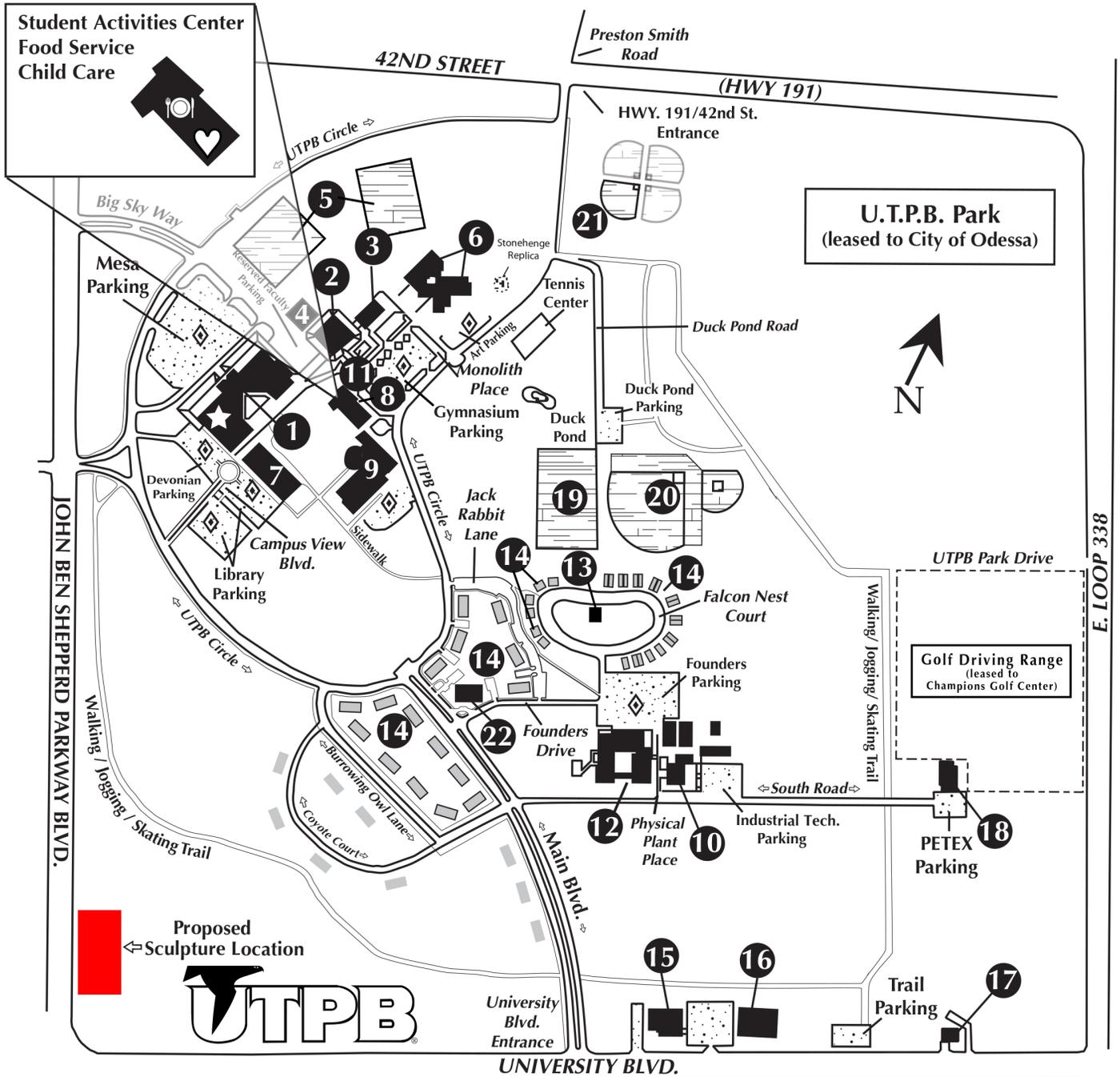
The sculpture, which is not yet completed, will be approximately 100 feet in length and at the highest point, approximately 11 feet in height (see drawing of sculpture on the following page). Mr. Gillham requested the sculpture be placed on the southwest corner of the campus, which is presently undeveloped (see map on Page 84). Proposed placement of this outdoor work of art is consistent with U. T. Permian Basin's Campus Master Plan.

The artist is renowned western sculptor, Mr. Terrell O'Brien. Mr. O'Brien is recognized as the 1984 Texas Cowboy Artist of the Year, and he has served as Past-President of the Texas Cowboy Artists Association and is a founding member of the National Western Artist Association.

Installation costs are included in the estimated cost of the sculpture. There are no maintenance costs anticipated.



The University of Texas of the Permian Basin



Revised 07/26/2013

- 1. Mesa Building
★ Admissions & Financial Aid Offices
- 2. Gymnasium Complex
- 3. Thermal Energy Plant
- 4. Gym Annex Building
- 5. Intramural/Athletic Fields
- 6. Visual Arts Studios
- 7. Library/Lecture Center
- 8. Student Activities Center
🍷 Food Service
👶 UTPB Child Care Center
- 9. Science & Technology Bldg.
Biology, Chemistry
IRD, Computer Science

- 10. Industrial/Petroleum Technology Building
- 11. Pool
- 12. Founders Building
Counseling Center
Physical Plant
- 13. Laundry
- 14. Student Housing
- 15. Ellen Noël Art Museum
- 16. JBS Public Leadership Institute
Presidential Museum & Leadership Library
- 17. Fire Station
(City of Odessa)
- 18. PETEX

- 19. Soccer Game Field
- 20. Ted & Jan Roden Baseball Field
- 21. Women's Softball Field
- 22. Parker Ranch House
Student Housing Recreation

- University Buildings
- Student Housing
- Student Housing (In Progress)
- Sports Fields
- Parking
- ◇ Visitor Parking

4. **U. T. Tyler: Approval to establish a Doctor of Pharmacy**

RECOMMENDATION

The Chancellor concurs in the recommendation of the Executive Vice Chancellor for Academic Affairs and President Mabry that authorization, pursuant to the Regents' *Rules and Regulations*, Rule 40307, related to academic program approval standards, be granted to

- a. establish a Doctor of Pharmacy degree at U. T. Tyler; and
- b. submit the proposal to the Texas Higher Education Coordinating Board for review and appropriate action.

BACKGROUND INFORMATION

EXECUTIVE SUMMARY

U. T. Tyler proposes to establish a Doctor of Pharmacy program, a four-year program that will include didactic coursework in the classroom and an experiential component in actual pharmacy practice settings. The proposed program meets all applicable Coordinating Board criteria for new doctoral degree programs.

Students would matriculate into the program with a minimum of 65 semester credit hours of pre-professional studies following a standard set of prerequisites. Upon successful completion of the program, students will have earned a minimum of 146 semester credit hours and be eligible to graduate. The program is designed to prepare graduates to pass professional pharmacist licensure exams and become practicing pharmacists. U. T. Tyler plans to enroll 75 students in the first year and 100 students per year thereafter.

Statewide pharmacy school admissions data indicate there are approximately 2,600 more applicants seeking a pharmacy program in Texas than available seats. Many students that are not accepted to a Texas pharmacy school end up studying out-of-state. According to the Texas Board of Pharmacy, 57.8% of pharmacists licensed in Texas in 2012 were imported from out-of-state or out-of-country. If projections are accurate, the number of openings for pharmacist jobs in Texas per year will continue to outnumber the number of pharmacy graduates from Texas institutions by more than 100 jobs. Rural areas, in particular, face an increasing shortage of pharmacists.

U. T. Tyler's Ben and Maytee Fisch College of Pharmacy will not duplicate existing programs, but will instead expand access to students and improve workforce conditions in East Texas by enabling local businesses to hire "home-grown" pharmacists who desire to stay in East Texas. In addition, a growing number of U. T. Tyler students express interest in attending the pharmacy school. U. T. Tyler is also working with area colleges and universities to develop relationships for recruiting undergraduate students to the program. The university plans to participate in the American Association of Colleges of Pharmacy (AACP) Pharmacy College Application Service (PharmCAS) program, which will make the application to the U. T. Tyler pharmacy school available to all students applying to pharmacy school across the country.

U. T. Tyler will initially support the program with institutional funds. The debt will be paid back with tuition. The program will be self-supporting.

Additional information regarding the proposed program may be found on the following pages.

DETAILED BACKGROUND INFORMATION

Program Description

The proposed Doctor of Pharmacy will be a four-year program that will include didactic coursework in the classroom and an experiential component in actual pharmacy practice settings. Students would matriculate into the program with a minimum of 65 semester credit hours of preprofessional studies following a standard set of prerequisites. The first three years (six semesters) of the Doctor of Pharmacy program will focus on didactic coursework including classroom, laboratory, and simulation activities. Students will also participate in structured introductory pharmacy practice experiences during these six semesters. During the final calendar year (Summer, Fall, and Spring semesters), students will engage in advanced pharmacy practice experiences in the professional community. Upon successful completion of the final year, students will have earned a minimum of 146 semester credit hours and be eligible to graduate. The program is designed to prepare graduates to pass their board exams and become pharmacists who practice pharmacy in community, institutional, and other sites available to new graduates.

Need and Student Demand

Job Market Need

According to the Texas Board of Pharmacy, 922 or 57.8% of the pharmacists licensed in Texas in 2012 were imported from out-of-state or out-of-country, showing the strong need for Texas to graduate more pharmacists in state. The Texas Workforce Commission (TWC) predicts Texas will have 1,005 annual openings for pharmacist jobs in Texas from 2010 through 2020. During that same time period, current Texas pharmacy programs will likely produce a maximum of 895 graduates per year, which is calculated by adding current degree conferral totals to the estimated number of graduates from the new pharmacy school at the University of North Texas Health Science Center as well as the planned expansion of the University of Houston College of Pharmacy. If these projections are accurate, the number of job openings per year will outnumber the number of pharmacy graduates by more than 100 jobs.

There is evidence to suggest that the projected statewide demand for pharmacists could be as much as 25% greater than reported. In its 2009 report, *Projecting the Need for Pharmacy Education in Texas*, the Texas Higher Education Coordinating Board included a TWC-projected demand of 805 pharmacists annually through 2014. Just four years later, TWC has altered its prediction to 1,005 openings in 2014, a 25% increase over what was initially estimated. If the TWC's new projection again underestimates demand, there would be additional pharmacist positions in 2019 for which Texas will not have an in-state supply.

It is reasonable to assume that demand could be underestimated based on environmental factors influencing the health care industry as a whole. First, the passage of the Affordable Care Act (ACA) in 2010 is expected to have a significant impact on the pharmaceutical industry. In his Harvard Business School Working Paper, *US Healthcare Reform and the*

Pharmaceutical Industry, Arthur A. Daemmrich wrote, “Over the course of its implementation in coming years, the ACA will significantly expand prescription drug use, including at the relative expense of other health services.” Daemmrich said this expansion will take place due to the combination of an aging population and the ACA’s broadening of insurance coverage, making prescription drugs more affordable to more people. The expanded use of prescription drugs will lead to the need for more pharmacists.

Local pharmacists and hospital administrators report changes in the field of medicine that increase the need for pharmacists. Clinical pharmacists report that drugs are being tested and becoming specialized for more detailed segments of the population. Put very simply, there may be three different pharmaceuticals to treat an irregular heartbeat: one that works well on men, one on women, and another on children. Doctors and hospitals want and need more pharmacists on their health care delivery teams to ensure the right drug is prescribed to the right patient. Pharmacists are more than dispensers of medicine; they are truly health care providers.

Additionally, hospital administrators report that having trained pharmacists as members of the health care delivery team can greatly reduce pharmaceutical costs, which are often the second highest expenditure at a hospital (second only to salaries). By having more pharmacists on staff advising doctors and nurses, the hospital can ensure that the best and most cost-effective drugs are prescribed, which saves money by helping to speed recovery while using the least expensive drug options. This anecdotal evidence is supported in the literature. A June 2012 article in *Population Health Management* describes how pharmacists are playing a broader role in a variety of settings, and the authors predict that their roles will grow in the future given the needs of the health care system and patients.

Finally, based on historical data, the shortage of pharmacists will be highest in rural areas. In their January 2012 report titled *Supply Trends Among Licensed Health Professions Texas, 1980 – 2011*, the Health Professions Resource Center, Center for Health Statistics, and the Texas Department of State Health Services stated that for the past two decades the ratio of pharmacists per 100,000 population has been higher in metropolitan areas than it has been in non-metropolitan areas, and the gap has experienced a net increase over that time. This is important to note because 10 of the 14 counties in UT Tyler’s planning region are considered non-metropolitan, and 74% of the counties in the East Texas area are non-metropolitan.

Existing Programs

Program	Degrees Conferred in Last Five Years
Texas A&M University Kingsville	231
Texas Southern University	555
Texas Tech University	504
The University of Houston	606
University of the Incarnate Word	248
The University of Texas at Austin	618
The University of North Texas Health Science Center UNT HSC)*	0*

*UNT HSC matriculated its first class in Fall 2013.

Looking at the geographic locations of each of these programs, one can see that there is a void in the East Texas area, which creates a challenge for East Texas students to attend pharmacy school. Although UNT began a program this year, it is located at the Health Science Center campus in West Fort Worth, hundreds of miles from much of East Texas. Coupled with the fact that rural areas are most underserved, U. T. Tyler's Ben and Maytee Fisch College of Pharmacy will not duplicate programs, but instead expand access to students and improve workforce conditions in East Texas by enabling local businesses to hire "homegrown" pharmacists who desire to stay in East Texas. This will greatly reduce the high-cost employee turnover challenges currently facing East Texas employers and hospitals.

Student Demand

Texas currently has five established public pharmacy programs, one private institution, and one additional public pharmacy school that opened in Fall 2013. Including the new school at The University of North Texas Health Science Center, the number of available seats for incoming pharmacy students totals 802. While it is difficult to determine the exact number of total applicants because it is not known how many potential students applied to multiple schools, the number of applicants could be as high as 3,389, leaving almost 2,600 students seeking a pharmacy program in Texas.

The data shows that when students do not get accepted into pharmacy school in Texas, they go out of state. As of this year, almost 600 Texans are studying in out-of-state pharmacy schools, paying a premium out-of-state tuition price as well as additional travel expenses getting to and from school.

Additionally, a growing number of U. T. Tyler students wish to attend pharmacy school. Members of faculty assist these students with their applications and note the numbers are on the rise. Like many other students in Texas, highly qualified U. T. Tyler students also seek opportunities out-of-state when there are not enough openings in-state.

Enrollment Projections

The table below reflects a cohort model whereby students will matriculate in the fall semesters and graduate in four years. The projections for underrepresented students mirror University-wide data. Retention rates are very high in pharmacy programs nationally, and accreditation status with the Accreditation Council for Pharmacy Education (ACPE) would be jeopardized by anything less than a 90% retention rate. Most attrition occurs during year one, and 5% is considered an acceptable rate by ACPE. Note that year three start date to enroll students is due to ACPE requirements.

	Year 1	Year 2	Year 3	Year 4	Year 5
New Students	0	0	75	100	100
Cumulative Headcount	0	0	75	171	266
Full-time Student Equivalent	0	0	75	171	266
Attrition	0	0	4	5	5
Graduates*					

*The inaugural class of students will graduate in year 7.

Student Recruitment

The U. T. Tyler Ben and Maytee Fisch College of Pharmacy gained community awareness throughout the legislative process, after approval by the U. T. System Board of Regents, and news of the significant donations to name the college and the soon-to-be-constructed W. T. Brookshire Pharmacy Building. U. T. Tyler has fielded dozens of calls from interested students. Their message to the College is that pharmacy is a program that East Texans want, but one they have not had access to in the past. U. T. Tyler will take advantage of other opportunities to keep the pharmacy school in the headlines, including construction of the building and gaining preaccreditation.

U. T. Tyler is working closely with Tyler Junior College, which is developing a state-of-the-art Allied Health Building, and will recruit students directly from their program. U. T. Tyler also has strong relationships on this project with Stephen F. Austin State University, Texas A&M University-Commerce, Texas A&M University-Texarkana, and Lamar University, all of whom have expressed an interest in recruiting undergraduate Science, Technology, Engineering, and Mathematics (STEM) students with the goal of sending them to the U. T. Tyler Ben and Maytee Fisch College of Pharmacy if that is the student's ultimate goal.

U. T. Tyler will participate in the American Association of Colleges of Pharmacy (AACP) Pharmacy College Application Service (PharmCAS) program, which will make the application available to all students applying to pharmacy school in the United States. Further, U. T. Tyler will utilize information from PharmCAS that is released by the applicants to recruit students seriously interested in pharmacy school based upon the fact that they completed the PharmCAS application.

Finally, the pharmacy program recruitment efforts will build upon the U. T. Tyler Enrollment Management Plan to ensure that the University recruits students from underrepresented groups.

Program Quality

Faculty

As a new program, U. T. Tyler will hire faculty to lead and administer the pharmacy school curriculum. After consulting with other pharmacy schools of a similar size, U. T. Tyler proposes that by the time the college is operating at full capacity, the Ben and Maytee Fisch College of Pharmacy will include one dean, two associate deans, two department chairs, one experiential director, and 27 faculty members for a total of 33 faculty and administrators. This level of staffing will provide a student to faculty ratio of approximately 11.7:1 based on a Full-Time Student Equivalent (FTSE) of 387, which will be the steady-state enrollment five years after enrolling the first class. Assuming maintenance of 100% FTSE (400 students), the student to faculty ratio will be 12.1:1. A range of 10:1 to 12:1 is generally considered acceptable by ACPE.

Faculty and Hiring Schedule

Faculty rank upon hiring will depend on the applicant pool and needs of the College. The goal is to have a mix of junior and senior faculty members in both the foundational and clinical sciences. Salaries are based on data from the AACP 50th percentile nationally for academic year appointments for faculty and calendar year appointments for deans, chairs, and an experiential director. For the purposes of estimating budgetary needs, all faculty salaries are based on the data from all AACP survey respondents for the rank of associate professor. Salaries do not include annual merit or cost of living increases.

Support Staff

U. T. Tyler plans to hire a total of seven administrative support staff members (including admissions staff), two experiential education coordinators, one information technology staff member, and two lab staff members to support faculty and students. These staff members will be hired as needed as the school grows in both students and faculty members.

Revenue and Expenses

Projected Enrollment	*5-Year Total
Number of Students Used for Formula Funding Calculation	0
Total Number of Students	266

Expenses	*5-Year Total
<i>Faculty</i>	
Salaries	\$7,120,000
Benefits**	\$2,136,150
<i>Graduate Students</i>	
TA Salaries	\$0
TA Benefits	\$0
GRA Salaries	\$0
GRA Benefits	\$0
<i>Staff and Administration</i>	
Graduate Coordinator Salary	\$0
Administrative Staff Salaries	\$4,485,000
Staff Benefits	\$1,345,500
SCC Operating Expenses	\$1,740,825
<i>Other Expenses</i>	
Accreditation	\$130,000
Utilities and Maintenance	\$612,500
Estimated Debt Service	\$5,416,374
Scholarships (Institutional)	\$2,465,127
Total Expenses	\$25,451,476

Revenue	*5-Year Total
<i>From Student Enrollment</i>	
Formula Funding	\$0
Tuition and Fees	\$17,152,000
<i>From Institutional Funds</i>	
Startup Funds	\$100,000
<i>From Grant Funds</i>	
Research Indirects	\$90,000
<i>From Other Revenue Sources</i>	
Philanthropy	\$2,750,000
Total Revenue	\$20,092,000

	6-Year Total	**7-Year Total
Revenue	\$32,061,790	\$45,083,716
Expenses	\$34,684,578	\$44,415,975

Notes: *No students enrolled during first two years' development period.

**Revenue exceeds expenses by year 7.

Coordinating Board Criteria

The proposed program meets all applicable Coordinating Board criteria for new doctoral degree programs.

5. **U. T. System Board of Regents: Approval of \$3.23 million from the Available University Fund (AUF) to support the proposed transition budget for the initial planning and development of the new University of Texas in South Texas**

RECOMMENDATION

The Chancellor concurs in the recommendation of the Executive Vice Chancellor for Academic Affairs and the Executive Vice Chancellor for Business Affairs that the U. T. System Board of Regents authorize \$3.23 million from the Available University Fund (AUF) to support the proposed transition budget for the initial planning and development of the new University of Texas in South Texas.

The \$3.23 million in the transition budget being requested will support the expenditures of the new University of Texas in South Texas over the next 24 months in the following areas:

- Staffing (\$680,000) to directly assist U. T. System staff in South Texas with planning and development initiatives, which include a special advisor to the Executive Vice Chancellor for Academic Affairs, as well as several support staff to assist with logistics and project management.
- Professional services and outside expertise (\$1,750,000) needed to evaluate current resources and stimulate new academic, business, and organizational models to achieve the guiding principles approved by the U. T. System Board of Regents.
- Search consultants (\$550,000) for the Founding President of the new University, as well as the Founding Dean of the new medical school in South Texas.
- Travel (\$100,000) to support regional, state, and national site visits by faculty, staff, and university and system leadership to explore new educational models and ideas for the new University of Texas in South Texas.
- Convenings and discussions (\$100,000) by regional, state, national, and international experts as it relates to planning and developing a 21st century university to meet the needs of the Rio Grande Valley and achieve a global impact.
- Maintenance and operations (\$50,000) of temporary offices to assist in the South Texas transition efforts.

BACKGROUND INFORMATION

Creating a new University of Texas in South Texas to achieve the goals and guiding principles adopted by the Board of Regents on July 10, 2013, is a monumental task requiring many of hours of planning and development and the successful implementation of specific tasks. These challenges are even more formidable given the timing of the transition and the desire to enroll the inaugural class of first-year students into the new university by Fall 2015 and the inaugural class of medical students by Fall 2016.

To stay on task and achieve these transformational goals and objectives, an aggressive schedule of activities and efforts are underway in South Texas by U. T. System and university personnel to provide guidance and stimulate new ideas and recommendations for the new University of Texas in South Texas consistent with the guiding principles.

Numerous teams and work groups comprised of hundreds of faculty, staff, students, university leadership, and U. T. System personnel have been created to provide options and recommendations for academic programs across the various disciplines, as well as options and recommendations for all academic and operational administration areas of the new university.

Thirteen academic program working groups have been formed and include faculty from U. T. Brownsville and U. T. Pan American in the broad areas of:

- Creative and performing arts
- Liberal arts and humanities
- Community and public service
- Social sciences
- Sciences and math
- Biomedical science
- Health professions
- Nursing
- Engineering, computer science, and technology
- Business
- Education
- Bicultural studies
- Trans-disciplinary studies

Fourteen academic administration working groups have been formed and include faculty and staff from U. T. Brownsville and U. T. Pan American in areas of:

- Southern Association of Colleges and Schools (SACS) accreditation
- Graduate and international student enrollment
- Student engagement and experiential learning
- Academic policies
- Core curriculum
- Academic assessment
- Academic support services
- Library infrastructure and support services
- Research and sponsored projects
- International programs and global initiatives
- Distance education
- Faculty affairs and development
- Faculty governance
- Other accreditation activities

Fifteen operational administration working groups have been formed and include staff from U. T. Brownsville and U. T. Pan American, in areas including:

- Personnel policies and procedures
- Business processes
- Campus master planning, physical resources, and transportation
- Campus security
- Information technology (IT) processes, procedures, and infrastructure
- Enrollment management
- Student support services
- University advancement
- Athletics
- Auxiliary enterprises
- Compliance and audit requirements
- Business plan development
- Community engagement and outreach
- Change management
- Start-up activities

The U. T. System leadership and staff will provide guidance and support to these various working groups. Upon hiring the Founding Dean of the Medical School, additional work groups will be formed to fully integrate the medical school planning into the new university.

It is important to note that this budget does not include university resources from both U. T. Brownsville and U. T. Pan American that will be utilized during the transition process, as well as other resources that will be required to re-engineer various information technology and business processes, in addition to aggressive marketing and outreach efforts that will be required at the regional, state, national, and international level.

6. **U. T. Brownsville: Discussion and appropriate action related to ratification of actions related to governance and operations of Texas Southmost College as a unit of U. T. Brownsville for purposes of compliance with governance accreditation principles of the Southern Association of Colleges and Schools (SACS)**

RECOMMENDATION

The Chancellor concurs in the recommendation of the Executive Vice Chancellor for Academic Affairs, as affirmed by the Chairman of the Texas Southmost College (TSC) Board of Trustees to key officials at U. T. System, that the TSC Trustees, as a unit of U. T. Brownsville, have acted on governance and operations matters related to the TSC according to State and federal regulations. The Trustees' actions must be ratified by the U. T. System Board of Regents for purposes of compliance with governance accreditation principles of the Southern Association of Colleges and Schools (SACS):

- a. Governance - giving authority to the TSC Board to hire personnel and approve overall policy for the College; and
- b. Operations - budget and approve expenditures of TSC.

BACKGROUND INFORMATION

U. T. Brownsville and TSC continue to be jointly accredited by SACS. Individual accreditation must be achieved in the near future so that they are not jointly accredited. SACS has advised that, until independent accreditation is granted to TSC, TSC must remain under the oversight of the U. T. System Board of Regents concerning governance and operations in general.

In June 1991, the U. T. System Board of Regents and the Board of Trustees of the Texas Southmost College District signed an Educational Partnership Agreement (authorized by *Texas Education Code*, Section 51.661 et seq.) to efficiently and effectively deliver a spectrum of higher education services ranging from community college classes to advanced university degree programs to the residents of Brownsville and the Lower Rio Grande Valley. The agreement very broadly obligates TSC to dedicate its tax revenues to the Partnership and provide facilities necessary to deliver higher education services. U. T. System, through U. T. Brownsville, is obligated to operate all academic and support services necessary to the U. T. Brownsville campus, including employment and management of all faculty and staff. Over the years, the very broad Agreement was augmented with a series of interagency agreements to address specific operating issues. However, no omnibus comprehensive agreement was ever put in place to govern the parties' relationship.

In late 2009, near the 20-year anniversary of the Agreement, the parties began working together to create an enhanced operating agreement to specifically delineate duties and responsibilities. Both parties designated members of a working group. Over the next nine months, the UTB/TSC working group drafted a new, comprehensive operating agreement. In Fall 2010, the TSC Board of Trustees rejected the proposed operating agreement. On November 10, 2010, the U. T. System Board of Regents voted to terminate the Agreement. Without further action of the parties, termination is effective August 31, 2015, provided separation is not achieved at an earlier date.

From Spring 2011 until the present time, the parties have been working to establish a framework for transition and separation. With the passage of Senate Bill 1909 and the conclusion of the 82nd Legislative Session, Chancellor Cigarroa appointed a U. T. System executive transition team to plan for the transition and negotiate with TSC the terms and conditions of the separation.

Discussions with SACS have indicated that the proposed ratification and approvals are needed to maintain accreditation.

7. **U. T. System: Update on the Science and Technology Acquisition and Retention (STARs) program at the U. T. System academic institutions**

REPORT

Dr. Dale Klein, Associate Vice Chancellor for Research, will present a report on the Science and Technology Acquisition and Retention (STARs) Program. Dr. Klein's presentation is set forth on the following pages.

The Board of Regents' STARs Program Return on Investment at Academic Institutions

Dr. Dale Klein
Associate Vice Chancellor for Research

U. T. System Board of Regents' Meeting
Academic Affairs Committee
November 2013



THE UNIVERSITY of TEXAS SYSTEM

Nine Universities. Six Health Institutions. Unlimited Possibilities.

WWW.UTSYSTEM.EDU

Purpose of the STARs Program

- Increase research capacity
- Focus on Science, Technology, Engineering, and Mathematics (STEM) fields

100



THE UNIVERSITY of TEXAS SYSTEM

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Criteria for STARs awards

- Current or potential membership in a National Academy
- National and international reputation

Evaluation process

- Very rigorous
- External reviews



STARs Awards FY 2005 - 2010

- 132 faculty received STARs funding
- Performance evaluated after three years

Return on Investment Analysis

- External funds generated
- Contributions and recognition



Return on Investment by Institution: Research Grants

	UTA	UTAUS	UTD	UTEP	UTSA	Total
Competitive STARs Awarded	\$ 7,180,562	\$ 28,656,200	\$ 10,500,000	\$ 9,278,438	\$ 3,490,000	\$ 59,105,200
Institutional Match	\$ 1,100,000	\$ 15,181,081	\$ 5,350,000	\$ 3,594,000	\$ 930,850	\$ 26,155,931
Total Investment	\$ 8,280,562	\$ 43,837,281	\$ 15,850,000	\$ 12,872,438	\$ 4,420,850	\$ 85,261,131
Research Grants Since Award	\$ 36,715,067	\$ 349,920,822	\$ 48,004,296	\$ 124,104,432	\$ 23,996,262	\$ 582,740,879
Net Return on Investment	\$ 28,434,505	\$ 306,083,541	\$ 32,154,296	\$ 111,231,994	\$ 19,575,412	\$ 497,479,748

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Return on Investment: Sources of Funding

	UTA	UTAUS	UTD	UTEP	UTSA
Sponsored External Funding (\$)	\$ 29,774,538	\$ 314,993,465	\$ 43,856,252	\$ 120,779,602	\$ 23,529,895
Corporate Support (\$)	\$ 2,091,529	\$ 27,455,257	\$ 3,265,623	\$ 3,309,830	\$ 180,000
Private Gifts (\$)	\$ 4,849,000	\$ 7,472,100	\$ 882,421	\$ 15,000	\$ 286,367
TOTAL	\$ 36,715,067	\$ 349,920,822	\$ 48,004,296	\$ 124,104,432	\$ 23,996,262

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Return on Investment: Patents & Students

	UTA	UTAUS	UTD	UTEP	UTSA
Patents Issued	24	104	3	10	5
Patents Pending	21	258	6	4	6
TOTAL	45	362	9	14	11
Sponsored Graduate Students	191	1,620	74	351	92
Postdoctoral Students Sponsored	71	214	32	55	39
TOTAL	262	1,834	106	406	131



Return on Investment: Professional Recognitions

	UTA	UTAUS	UTD	UTEP	UTSA
Scientific Articles Published	635	2,224	316	667	315
Editors/Editorial Boards	125	69	28	72	104
Books/Chapters Published	74	88	31	85	282
National Awards Received	9	21	16	40	17
National Academy Appointments	0	3	0	0	0
Collaborations	160	249	131	461	151
National & International Scholarly Board Appointments	52	19	13	101	72

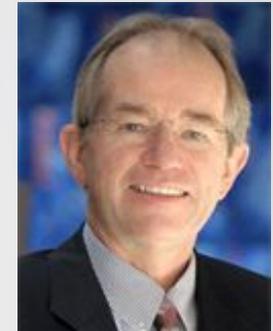


STARs Recruitments



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U. T. Arlington: Dr. Robert Magnusson



- World-class researcher with breakthrough discoveries in laser technology and optic devices
- Papers have been cited more than 1,500 times, and patents more than 150 times
- Patents led to a new class of devices based on his invention of “resonance leaky-mode photonics” with applications in biotechnology, environmental monitoring, and homeland security
- 2008 Outstanding Teacher Award, University of Connecticut



U. T. Austin: Dr. Robert E. Dickinson



- World-renowned researcher and teacher in the areas of global climate change, climate modeling, and the interaction of terrestrial and atmospheric hydrological processes
- Member of National Academy of Sciences and National Academy of Engineering
- Member of the Intergovernmental Panel on Climate Change, which received the 2007 Nobel Peace Prize



U. T. Dallas: Dr. Kenneth O

- Recognized leader in development of Analog Devices and Radio Frequency applications
- Texas Instruments Distinguished Chair in Analog Circuits and Systems
- Director of Texas Analog Center of Excellence
- Numerous refereed journal and conference papers, and nine U.S. patents



U. T. El Paso: Dr. Luis A. Echegoyen

- Internationally recognized investigator/scholar in areas of fullerene electrochemistry, monolayer films, and supramolecular chemistry
- Former Director of the Chemistry Division at the National Science Foundation (NSF)
- Strong record of teaching and training undergraduate and graduate students, and experience in mentoring women and underrepresented minorities, particularly Hispanics



U. T. San Antonio: Dr. Ruyan Guo

- Nationally known expert in electronic and optoelectronic materials and devices
- Nearly 200 refereed articles and 20 books
- Director of NSF Site Program on Research Experience for Undergraduates in Electrical Engineering
- Fellow, American Ceramic Society



An Outstanding Investment to Strengthen Research and Teaching Faculty

STARs Program has been incredibly successful in helping institutions recruit high-quality faculty

FY 2005 to FY 2010 Investment	\$ 59,105,200
Institutional Match	\$ 26,155,931
Total UT Investment	\$ 85,261,131
External Funds Generated	\$ 582,740,879
Net Return (to Fall 2012)	\$ 497,479,748

Sponsored Graduate Students	2,328
Postdoctoral Students Sponsored	411
Total Students/Postdocs Sponsored	2,739



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8. **U. T. System: Discussion on pathways to student success**

DISCUSSION

Executive Vice Chancellor Reyes and U. T. El Paso President Natalicio will lead a presidential discussion and engagement with the Board of Regents on pathways to student success.