

Agenda Items
Meeting
of the
Board of Regents

November 18, 2021



**MEETING OF THE BOARD OF REGENTS
THE TEXAS A&M UNIVERSITY SYSTEM**

**November 18, 2021
College Station, Texas**

REGULAR AGENDA ITEMS

1. COMMITTEE ON FINANCE

- 1.1 Approval of New, Increased and Decreased Tuition and Fees for Fall 2022 and Fall 2023 Semesters, A&M System

2. COMMITTEE ON AUDIT

(No agenda items)

3. COMMITTEE ON BUILDINGS AND PHYSICAL PLANT

- 3.1 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the RELLIS Runway 35R Rehabilitation Project, The Texas A&M University System RELLIS Campus (Project No. 01-3331), A&M System
- 3.2 Approval to Amend the FY 2022-FY 2026 Texas A&M University System Capital Plan to Add the Bright Area Development Project for Texas A&M University with a FY 2022 Start Date, Texas A&M University, College Station, Texas (Project No. 02-3343), A&M System
- 3.3 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Brayton New Administrative and Classroom Facility Project, Texas A&M Engineering Extension Service (Project No. 09-3269), A&M System
- 3.4 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Industrial Distribution Building Project, Texas A&M Engineering Experiment Station (Project No. 28-3230), A&M System
- 3.5 Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Interior Finishes Renovation Aston Hall Phase II Project, Texas A&M University, College Station, Texas (SSC Project No. 2019-04136), Texas A&M
- 3.6 Approval of the Revised Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the TDEM Warehouse at RELLIS Project, TDEM, Bryan, Texas (Project No. 30-3338), A&M System

Informational Report

Report of System Construction Projects Authorized by the Board

**Certified by the general counsel or other appropriate attorney as confidential or information that may be withheld from public disclosure in accordance with Section 551.1281 and Chapter 552 of the Texas Government Code.*

4. COMMITTEE ON ACADEMIC AND STUDENT AFFAIRS*(No agenda items)***5. THE TEXAS A&M UNIVERSITY SYSTEM BOARD OF REGENTS *(not assigned to Committee)*****Executive Session Items**

- 5.1. *Authorization to Grant a Conditional Roadway Easement in Laredo, Webb County, Texas, to the Texas Department of Transportation, TAMIU
- 5.2. *Authorization to Purchase Three Tracts of Land with Improvements Located at 13635 FM 3025 in Stephenville, Erath County, Texas, Tarleton
- 5.3. *Authorization to Purchase Property Located at 1930 W. Sloan in Stephenville, Erath County, Texas, Tarleton
- 5.4. *Authorization for the Disposition of Approximately 1,166.71 Acres of Land at 4999 CR 182, Stephenville, Erath County, Texas, Tarleton
- 5.5. *Authorization for the Disposition of the Medical Education Research Building, the Integrated Microscopy Imaging Laboratory, and the Regional Health Education Center Located on the Baylor Scott & White Complex in Temple, Bell County, Texas, to Baylor Scott & White Health, Texas A&M
- 5.6. *Authorization for the President to Negotiate and Execute Revenue Agreement(s) for the Global Health Research Complex for Fiscal Year 2022, 2023, and 2024, Texas A&M
- 5.7. *Approval of the Board of Regents for Texas A&M University-Commerce to Accept Invitation of Membership in the Southland Conference, A&M-Commerce
- 5.8. *Approval of a Negotiated Settlement of Disputed Natural Gas Charges from Symmetry, Inc. Arising out of Winter Storm Uri for Texas A&M University and Prairie View A&M University, A&M System
- 5.9. *Authorization for the President to Execute a New Employment Contract with the Director of Athletics, Texas A&M
- 5.10. *Authorization for the President to Negotiate and Execute New Employment Contracts for Two Assistant Baseball Coaches, Texas A&M
- 5.11. *Appointment of Director of Texas A&M Veterinary Medical Diagnostic Laboratory, A&M System
- 5.12. Appointment of Vice Chancellor for Research, A&M System

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6. CONSENT AGENDA ITEMSThe Texas A&M University System/Board of Regents

- 6.1 Approval of Minutes
- 6.2 Approval of Incidental Fees Effective with the Fall 2022 Semester
- 6.3 Confirmation of New and Amended Field Trip and Study Abroad Fees for The Texas A&M University System
- 6.4 Granting of the Title of Emeritus, November 2021
- 6.5 Confirmation of Appointment and Commissioning of Peace Officers
- 6.6 Approval of Revisions to System Policies 10.01, *Internal Auditing*, and 10.02, *Fraud, Waste and Abuse*
- 6.7 Approval of Substantive Revisions to System Policy 12.01, *Academic Freedom, Responsibility and Tenure*
- 6.8 Approval of Non-substantive Revisions to System Policies 21.01, *Financial Policies, Systems and Procedures*, 25.01, *Use and Operation of System Aircraft*, 27.04, *Budget Authorizations, Limitations and Delegations of Authority*, 33.04, *Use of System Resources*, and 51.06, *Naming of Buildings and Other Entities*
- 6.9 Approval of Revisions to System Policies 25.06, *Participation by Historically Underutilized Business*, 31.06, *Sick Leave Pool*, and 33.06, *Hours of Work for Full-time Salaried Employees*
- 6.10 Designation of the Regents Professor Awards and the Regents Fellow Service Awards for Exemplary Performance and Professional Service During Fiscal Year 2020-21
- 6.11 *Naming of RELLIS Academic Alliance Director's Office
- 6.12 *Naming the Faculty Conference Room 201 in Academic Complex Building 2
- 6.13 Review and Potential Amendment of Revised Concealed Carry Rules for All System Members

Prairie View A&M University

- 6.14 Approval of Academic Tenure, November 2021
- 6.15 Granting of Faculty Development Leave for FY 2022
- 6.16 Approval of a New Master of Science Degree Program with a Major in Nutrition, and Authorization to Request Approval from the Texas Higher Education Coordinating Board

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- 6.17 Adjustment to Minute Order 221-2019 Providing Authorization to Utilize Funds from the Available University Fund to Match Private Gifts under the Endowed Scholarships – Endowed Scholarship Matching Program

Tarleton State University

- 6.18 Authorization to Award an Honorary Degree to Dr. Lamar and Mrs. Marilyn T. Johanson
- 6.19 Approval of a New Bachelor of Science Degree Program with a Major in Statistics, and Authorization to Request Approval from the Texas Higher Education Coordinating Board
- 6.20 Approval of a New Bachelor of Science Degree Program with a Major in Cybersecurity, and Authorization to Request Approval from the Texas Higher Education Coordinating Board
- 6.21 Approval of a New Bachelor of Science Degree Program with a Major in Horticultural and Plant Sciences, and Authorization to Request Approval from the Texas Higher Education Coordinating Board
- 6.22 Approval of a New Master of Science Degree Program with a Major in Agricultural Economics, and Authorization to Request Approval from the Texas Higher Education Coordinating Board
- 6.23 Approval of a New Bachelor of Science Degree Program with a Major in Biotechnology, and Authorization to Request Approval from the Texas Higher Education Coordinating Board
- 6.24 Approval of a New Master of Arts Degree Program with a Major in Teacher Education, and Authorization to Request Approval from the Texas Higher Education Coordinating Board
- 6.25 Approval of a New Doctor of Philosophy Degree Program with a Major in Counseling, and Authorization to Request Approval from the Texas Higher Education Coordinating Board

Texas A&M International University

(No agenda items)

Texas A&M University

- 6.26 Approval of Academic Tenure, November 2021
- 6.27 *Authorization to Establish a Quasi-Endowment in the System Endowment Fund
- 6.28 *Authorization to Establish a Quasi-Endowment in the System Endowment Fund
- 6.29 *Authorization to Establish Two Quasi-Endowments in the System Endowment Fund
- 6.30 *Authorization for the Lease of Approximately 13,137 Square Feet of Office Space at 1700 Research Parkway, College Station, Brazos County, Texas

**Certified by the general counsel or other appropriate attorney as confidential or information that may be withheld from public disclosure in accordance with Section 551.1281 and Chapter 552 of the Texas Government Code.*

- 6.31 *Authorization for the President to Negotiate and Execute Certain Specified Contracts Over \$500,000
- 6.32 *Establishment and Naming of The Texas A&M Global Cyber Research Institute (*Also listed under Texas A&M Engineering Experiment Station*)
- 6.33 *Naming of the Department of Finance in the Mays Business School
- 6.34 Approval for Dr. Luis Cisneros-Zevallos and Dr. Mustafa Akbulut, System Employees, to Serve as Officers, Members of the Board of Directors, and Employees of AkCis Nanocoating Solutions, LLP, an Entity that Proposes to License Technology from The Texas A&M University System
- 6.35 Approval for Dr. James Smith, a System Employee, to Serve as an Officer, Member of the Board of Directors, and Employee of Sano Chemicals, Inc., an Entity that Proposes to License Technology from The Texas A&M University System

Texas A&M University-Central Texas
(No agenda items)

Texas A&M University-Commerce

- 6.36 Approval of Academic Tenure, November 2021

Texas A&M University-Corpus Christi

- 6.37 Approval of Academic Tenure, November 2021

Texas A&M University-Kingsville
(No agenda items)

Texas A&M University-San Antonio

- 6.38 Approval of Academic Tenure, November 2021

Texas A&M University-Texarkana

- 6.39 Naming of the Eagle Food Pantry
- 6.40 Approval of a New Bachelor of Social Work Degree Program, and Authorization to Request Approval from the Texas Higher Education Coordinating Board
- 6.41 *Naming of Various Areas within Building for Academic and Student Services

West Texas A&M University

- 6.42 Approval of Academic Tenure, November 2021
- 6.43 Approval of a New Master of Business Administration Degree Program with a Major in Procurement Management, and Authorization to Request Approval from the Texas Higher Education Coordinating Board
- 6.44 *Naming of Computer Lab in Classroom Center Building, Room 112

Texas A&M AgriLife Research
(No agenda items)Texas A&M Engineering Experiment Station

- 6.32 *Establishment and Naming of The Texas A&M Global Cyber Research Institute (*Also listed under Texas A&M University*)

Texas A&M Forest Service
(No agenda items)Texas A&M AgriLife Extension Service

- 6.45 Approval of 2022 Stiles Farm Foundation Budget

Texas A&M Engineering Extension Service
(No agenda items)Texas A&M Veterinary Medical Diagnostic Laboratory
(No agenda items)Texas A&M Transportation Institute
(No agenda items)Texas Division of Emergency Management
(No agenda items)

A&M System	The Texas A&M University System
A&M-Central Texas	Texas A&M University-Central Texas
A&M-Commerce	Texas A&M University-Commerce
A&M-Corpus Christi	Texas A&M University-Corpus Christi
A&M-San Antonio	Texas A&M University-San Antonio
A/E.....	Architect/Engineer
AgriLife Extension.....	Texas A&M AgriLife Extension Service
AgriLife Research	Texas A&M AgriLife Research
BOR	Board of Regents
FP&C.....	Facilities Planning and Construction
POR.....	Program of Requirements
PUF	Permanent University Fund
PVAMU	Prairie View A&M University
RELLIS	Respect, Excellence, Leadership, Loyalty, Integrity and Selfless Service
RFS.....	Revenue Financing System
TAMHSC	Texas A&M Health Science Center
TAMIU	Texas A&M International University
TAMUG.....	Texas A&M University at Galveston
TAMUT	Texas A&M University-Texarkana
Tarleton.....	Tarleton State University
TEES.....	Texas A&M Engineering Experiment Station
TEEX.....	Texas A&M Engineering Extension Service
Texas A&M at Qatar.....	Texas A&M University at Qatar
Texas A&M.....	Texas A&M University
Texas A&M-Kingsville	Texas A&M University-Kingsville
TDEM.....	Texas Division of Emergency Management
TFS.....	Texas A&M Forest Service
THECB.....	Texas Higher Education Coordinating Board
TTI.....	Texas A&M Transportation Institute
TVMDL.....	Texas A&M Veterinary Medical Diagnostic Laboratory
UTIMCO.....	The University of Texas/Texas A&M Investment Management Company
WTAMU.....	West Texas A&M University

Agenda Item No.

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of New, Increased, and Decreased Tuition and Fees for Fall 2022 and Fall 2023 Semesters

Proposed Board Action:

Approve the proposed new, increased and decreased tuition and fees (including proposed inflationary adjustments to the one-year variable and guaranteed tuition and fee rates) to be effective with the fall 2022 and fall 2023 semesters.

Background Information:

The Texas Education Code provides guidance on all student tuition, fees and charges allowable for collection by institutions of higher education. Many of the authorized tuition and fees require approval from the Board of Regents (Board) prior to implementation. In addition, increases to designated tuition (and some fees) require that the Board hold a public hearing to receive input from students and the general public prior to the increases taking effect.

System Policy 26.01, *Tuition and Fees*, states that tuition and fee recommendations for the ensuing academic year will be presented annually to the Board for consideration. However, in lieu of an annual review, this agenda item proposes to seek Board approval for the next two academic years. For the fall 2023 semester (FY 2024), the One-Year Variable/Guaranteed Rate will be adjusted at all institutions based on the 2022 Higher Education Price Index.

A&M System Funding or Other Financial Implications:

See attached exhibit.

Strategic Plan Imperative(s) this Item Advances:

This agenda item is relevant to the advancement of all the imperatives of the Strategic Plan.

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM
Office of the Deputy Chancellor and Chief Financial Officer
October 11, 2021

Members, Board of Regents
The Texas A&M University System

Subject: Approval of New, Increased, and Decreased Tuition and Fees for Fall 2022 and Fall 2023 Semesters

I recommend adoption of the following minute order:

“All public hearings and referendums required by law for increases in student tuition and fees have been (or will be conducted as noted on the attached exhibit) properly conducted in accordance with the Texas Education Code.

System Policy 26.01, *Tuition and Fees*, states that tuition and fee recommendations for the ensuing academic year will be presented annually to the Board for consideration. However, in lieu of an annual review, the Board approves the following:

The request for new, increased, and decreased tuition and fees (including one-year variable and guaranteed tuition and fee rates) recommended by The Texas A&M University System institutions, as shown on the attached exhibit, are approved to be effective with the fall 2022 and fall 2023 semesters. For the fall 2023 semester (FY 2024), the One-Year Variable/Guaranteed Rate will be adjusted at all institutions based on the 2022 Higher Education Price Index.”

Respectfully submitted,

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel



THE TEXAS A&M UNIVERSITY SYSTEM

NEW, INCREASED & DECREASED TUITION & FEE REQUESTS

**BOARD OF REGENTS MEETING
NOVEMBER 2021**

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7. Texas A&M International University
8. Texas A&M University – Central Texas
9. Texas A&M University – Commerce
10. Texas A&M University – Corpus Christi
11. Texas A&M University – Kingsville
12. Texas A&M University – San Antonio
13. Texas A&M University - Texarkana
14. West Texas A&M University

THE TEXAS A&M UNIVERSITY SYSTEM
SUMMARY OF REQUESTED NEW, INCREASED AND DECREASED TUITION AND FEES
Effective Fall 2022

<u>PAGE</u>	<u>FEE DESCRIPTION</u>	<u>BASIS</u>	<u>CURRENT</u>	<u>INCREASE/ DECREASE</u>	<u>PROPOSED</u>
Texas A&M University					
2.2	Undergraduate Resident Variable Mandatory Tuition and Fees by Type of Program (based on 15 SCHs):				
	Base (Non-STEM) Disciplines	SEM	varies	varies	\$5,900.00
	Math & Science Lab-Based Disciplines	SEM	varies	varies	\$6,250.00
	Applied Specialized Disciplines	SEM	varies	varies	\$6,850.00
	* Rates may vary based on approved center fees at different locations.				
	The overall academic charge (tuition and fees) to a student choosing the guaranteed rate tuition and fee plan will be set at an amount equal to 8% greater than the one-year variable rate tuition and fee plan.				
2.5	Graduate Resident Mandatory Tuition and Fees by Type of Program (based on 9 SCHs):				
	Base (Non-STEM) Disciplines	SEM	varies	varies	\$4,444.00
	Math & Science Lab-Based Disciplines	SEM	varies	varies	\$4,969.00
	Applied Specialized Disciplines	SEM	varies	varies	\$6,466.00
	* Rates may vary based on approved center fees at different locations.				
	Graduate Market Supplement for Specific Disciplines				
	Tier 1	SEM	varies	varies	\$1,000.00
	Tier 2	SEM	varies	varies	\$5,000.00
	Tier 3	SEM	varies	varies	\$10,000.00+

Request the authority to charge the current undergraduate non-resident differential tuition to all non-resident students.

Texas A&M University at Galveston

Align Texas A&M University at Galveston undergraduate and graduate rates and rate structure with Texas A&M University.

3.2	Undergraduate Resident Variable Mandatory Tuition and Fees by Type of Program (based on 15 SCHs):				
	Base (Non-STEM) Disciplines	SEM	varies	varies	\$5,900.00
	Math & Science Lab-Based Disciplines	SEM	varies	varies	\$6,250.00
	Applied Specialized Disciplines	SEM	varies	varies	\$6,850.00
	*These rates are consistent with Texas A&M University Main Campus. Rates vary based on approved center fees at different locations.				
	The overall academic charge (tuition and fees) to a student choosing the guaranteed rate tuition and fee plan will be set at an amount equal to 8% greater than the one-year variable rate tuition and fee plan.				
3.5	Graduate Resident Mandatory Tuition and Fees by Type of Program (based on 9 SCHs):				
	Base (Non-STEM) Disciplines	SEM	varies	varies	\$4,444.00
	Math & Science Lab-Based Disciplines	SEM	varies	varies	\$4,969.00
	Applied Specialized Disciplines	SEM	varies	varies	\$6,466.00
	*These rates are consistent with Texas A&M University Main Campus. Rates vary based on approved center fees at different locations.				

THE TEXAS A&M UNIVERSITY SYSTEM
SUMMARY OF REQUESTED NEW, INCREASED AND DECREASED TUITION AND FEES
Effective Fall 2022

PAGE	FEE DESCRIPTION	BASIS	CURRENT	INCREASE/ DECREASE	PROPOSED
Texas A&M University at Galveston - Continued					
	Graduate Market Supplement for Specific Disciplines				
	Tier 1	SEM	varies	varies	\$1,000.00
	Tier 2	SEM	varies	varies	\$5,000.00
	Tier 3	SEM	varies	varies	\$10,000.00+
Request the authority to charge the current undergraduate non-resident differential tuition to all non-resident students.					
3.9	Cadet License Option Program Fee	SEM	New		\$3,700.00
	*Reduces current \$9,925 summer field trip fee				
Texas A&M Health Science Center					
	Align Texas A&M Health Science Center undergraduate and graduate rates and rate structure with Texas A&M University.				
4.2	Undergraduate Resident Variable Mandatory Tuition and Fees by Type of Program (based on 15 SCHs):				
	Base (Non-STEM) Disciplines	SEM	varies	varies	\$5,900.00
	Math & Science Lab-Based Disciplines	SEM	varies	varies	\$6,250.00
	Applied Specialized Disciplines	SEM	varies	varies	\$6,850.00
	*These rates are consistent with Texas A&M University Main Campus. Rates vary based on approved center fees at different locations.				
The overall academic charge (tuition and fees) to a student choosing the guaranteed rate tuition and fee plan will be set at an amount equal to 8% greater than the one-year variable rate tuition and fee plan.					
4.5	Graduate Resident Mandatory Tuition and Fees by Type of Program (based on 9 SCHs):				
	Base (Non-STEM) Disciplines	SEM	varies	varies	\$4,444.00
	Math & Science Lab-Based Disciplines	SEM	varies	varies	\$4,969.00
	Applied Specialized Disciplines	SEM	varies	varies	\$6,466.00
	*These rates are consistent with Texas A&M University Main Campus. Rates vary based on approved center fees at different locations.				
	Graduate Market Supplement for Specific Disciplines				
	Tier 1	SEM	varies	varies	\$1,000.00
	Tier 2	SEM	varies	varies	\$5,000.00
	Tier 3	SEM	varies	varies	\$10,000.00+
Request the authority to charge the current undergraduate non-resident differential tuition to all non-resident students.					
4.9	EnMed Program Fee				
	Resident	YEAR	\$10,000.00	\$5,000.00	\$15,000.00
	Out of State	YEAR	\$10,000.00	\$20,000.00	\$30,000.00
	International	YEAR	\$10,000.00	\$50,000.00	\$60,000.00

THE TEXAS A&M UNIVERSITY SYSTEM
SUMMARY OF REQUESTED NEW, INCREASED AND DECREASED TUITION AND FEES
Effective Fall 2022

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Prairie View A&M University

- 5.2 Tuition & Fee Plans (variable and guaranteed)
Increase the overall academic charge (tuition and fees) to a student choosing the **one-year variable rate** tuition and fee plan based on an inflationary adjustment of 2.7%.
- The overall academic charge (tuition and fees) to a student choosing the **guaranteed rate** tuition and fee plan will be set at an amount equal to 2% greater than the one-year variable rate tuition and fee plan.

Tarleton State University

- 6.2 Tuition & Fee Plans (variable and guaranteed)
Increase the overall academic charge (tuition and fees) to a student choosing the **one-year variable rate** tuition and fee plan based on an inflationary adjustment of 2.7%.
- The overall academic charge (tuition and fees) to a student choosing the **guaranteed rate** tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan.

In addition to the above inflationary adjustment, the following tuition and fee changes are being requested:

- 6.4 Differential Tuition
College of Engineering SCH New \$76.41
*This proposed change is cost neutral to College of Engineering students. The recommendation proposes to combine the College of Science & Technology differential rate (\$13.75/SCH) and the program differential rate for engineering (\$62.66/SCH) into one College of Engineering Differential rate of \$76.41/SCH.
- 6.5 University Services Fee SCH \$96.01 \$2.64 \$98.65
- 6.7 Student Center Facility Fee SCH \$3.96 (\$3.96) \$0.00
Fall & Spring Max (at 10 SCH's) SEM \$39.60 (\$39.60) \$0.00
Summer Max (at 5 SCH's) SEM \$19.80 (\$19.80) \$0.00

Texas A&M International University

- 7.2 Tuition & Fee Plans (variable and guaranteed) - Undergraduate Students
TAMU - Fast Track! SCH No rate change for FY 2023
Full-Time Undergraduate Students taking 12 or more hours will pay a flat rate based on 15 SCHs.
- 7.3 University Services Fee - Graduate Students SCH Varies Varies
*University Services Fee will be increased by the Inflationary Adjustment for Graduate Students Only.

THE TEXAS A&M UNIVERSITY SYSTEM
SUMMARY OF REQUESTED NEW, INCREASED AND DECREASED TUITION AND FEES
Effective Fall 2022

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Texas A&M University-Central Texas

8.2 Tuition & Fee Plans (variable and guaranteed)

Increase the overall academic charge (tuition and fees) to a student choosing the **one-year variable rate** tuition and fee plan based on an inflationary adjustment of 2.7%.

The overall academic charge (tuition and fees) to a student choosing the **guaranteed rate** tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan.

Texas A&M University-Commerce

9.2 Tuition & Fee Plans (variable and guaranteed)

Increase the overall academic charge (tuition and fees) to a student choosing the **one-year variable rate** tuition and fee plan based on an inflationary adjustment of 2.7%.

The overall academic charge (tuition and fees) to a student choosing the **guaranteed rate** tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan.

Texas A&M University-Corpus Christi

10.2 Tuition & Fee Plans (variable and guaranteed)

Increase the overall academic charge (tuition and fees) to a student choosing the **one-year variable rate** tuition and fee plan based on an inflationary adjustment of 2.7%.

The overall academic charge (tuition and fees) to a student choosing the **guaranteed rate** tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan.

Texas A&M University-Kingsville

11.2 Tuition & Fee Plans (variable and guaranteed)

Increase the overall academic charge (tuition and fees) to a student choosing the **one-year variable rate** tuition and fee plan based on an inflationary adjustment of 2.7%.

The overall academic charge (tuition and fees) to a student choosing the **guaranteed rate** tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan.

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Texas A&M University-San Antonio

12.2 Tuition & Fee Plans (variable and guaranteed)

Increase the overall academic charge (tuition and fees) to a student choosing the **one-year variable rate** tuition and fee plan based on an inflationary adjustment of 2.7%.

The overall academic charge (tuition and fees) to a student choosing the **guaranteed rate** tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan.

In addition to the above inflationary adjustment, the following tuition and fee changes are being requested:

12.7	Executive MBA Professional Program Fee	STUDENT	New		\$26,000.00
12.10	Student Center Facility Fee*				
	Fall & Spring	SEM	New		\$100.00
	Summer	SEM	New		\$50.00
	*Pending student referendum to be held in the Spring 2022 Semester.				
12.12	Athletic Fee				
	Athletic Fee FY 2023 (Fall 2022)*	SCH	\$10.00	\$0.50	\$10.50
	Fall, Spring & Summer Max	SEM	\$120.00	\$6.00	\$126.00
	*Approved via Student Government referendum, October 19, 2021.				
	Athletic Fee FY 2024 (Fall 2023)**	SCH	\$10.50	\$0.53	\$11.03
	Fall, Spring & Summer Max	SEM	\$126.00	\$6.30	\$132.30
	**Pending Student Government referendum to be held in November 2021.				

Texas A&M University-Texarkana

13.2 Tuition & Fee Plans (variable and guaranteed)

Increase the overall academic charge (tuition and fees) to a student choosing the **one-year variable rate** tuition and fee plan based on an inflationary adjustment of 2.7%.

The overall academic charge (tuition and fees) to a student choosing the **guaranteed rate** tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan.

In addition to the above inflationary adjustment, the following tuition and fee changes are being requested:

13.6	Athletic Fee	SCH	\$13.18	\$1.32	\$14.50
	Fall, Spring & Summer Max (at 12 SCH's)	SEM	\$158.16	\$15.84	\$174.00
	*Approved via student referendum, October 11-13, 2021.				

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Effective Fall 2022

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West Texas A&M University

14.2 Tuition & Fee Plans (variable and guaranteed)

Increase the overall academic charge (tuition and fees) to a student choosing the **one-year variable rate** tuition and fee plan based on an inflationary adjustment of 2.7%.

The overall academic charge (tuition and fees) to a student choosing the **guaranteed rate** tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan.

In addition to the above inflationary adjustment, the following tuition and fee changes are being requested:

14.8	Differential Tuition - Communication Disorders (Graduate Level Courses)	SCH	New		\$45.55
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RELLIS Campus

Tuition & Fee Plan

Increase the overall academic charge (tuition and fees) to a student based on an inflationary adjustment of 2.7%.

TEXAS A&M UNIVERSITY
Summary of Proposed Fee Changes
Effective Fall 2022

PAGE	FEE DESCRIPTION	BASIS	CURRENT	INCREASE/ DECREASE	PROPOSED
2.2	Tuition and Fee Plans				
	Undergraduate Resident Variable Mandatory Tuition and Fees by Type of Program:				
	Base (Non-STEM) Disciplines	SEM	varies	varies	\$5,900.00
	Math & Science Lab-Based Disciplines	SEM	varies	varies	\$6,250.00
	Applied Specialized Disciplines	SEM	varies	varies	\$6,850.00
	* Rates may vary based on approved center fees at different locations.				
	The overall academic charge (tuition and fees) to a student choosing the guaranteed rate tuition and fee plan will be set at an amount equal to 8% greater than the one-year variable rate tuition and fee plan.				
2.5	Graduate Resident Mandatory Tuition and Fees by Type of Program:				
	Base (Non-STEM) Disciplines	SEM	varies	varies	\$4,444.00
	Math & Science Lab-Based Disciplines	SEM	varies	varies	\$4,969.00
	Applied Specialized Disciplines	SEM	varies	varies	\$6,466.00
	* Rates may vary based on approved center fees at different locations.				
	Graduate Market Supplement for Specific Disciplines				
	Tier 1	SEM	varies	varies	\$1,000.00
	Tier 2	SEM	varies	varies	\$5,000.00
	Tier 3	SEM	varies	varies	\$10,000.00+

Request the authority to charge the current undergraduate non-resident differential tuition to all non-resident students.

SCH - Semester Credit Hour
SEM - Semester

Request for Increased Student Fee
TEXAS A&M UNIVERSITY
Undergraduate Tuition and Fee Structure Change

I. Programmatic justification and proposed use of the increased fee

Texas A&M University, including Texas A&M University at Galveston and the Texas A&M Health Science Center, is proposing to re-structure undergraduate tuition and fees to align rates, simplify charges and attain equity between majors.

The current tuition and fee structure has created inequitable situations across colleges and does not adequately reflect the cost of delivery differences in Math and Science lab-based disciplines and applied, specialized disciplines when compared with non-STEM programs.

By restructuring tuition and fees from college-based to program-based, tuition and fees will: better align with program costs and major inequities will be corrected; will be easier for students to understand (they identify with a major more than a college); will be easier for parents to plan; and will be easier for the general public to understand.

Three levels will be created for undergraduate students with the following rates*:

Base (non-STEM)	\$5,900 per semester
Math and Science Lab Based	\$6,250 per semester
Applied, Specialized Disciplines	\$6,850 per semester

** Rates may vary based on approved center fees at different locations.*

With the implementation of the new structure, 21% of new undergraduate students and current students on the variable rate plan will experience a decrease in program costs, and approximately 47% of new undergraduate students and current students on the variable rate plan will experience increases of less than 2.7%. The overall net increase in the proposed changes is less than 2.5%. This change will have no impact on current students on a fixed tuition plan.

II. Public hearing and/or student referendum requirements

A tuition and fee hearing was held on November 15, 2021, to discuss the proposed changes.

III. Budget impact if fee request is not approved

There is no significant budget impact if the new structure is not approved.

IV. Justification for ending balance

Ending balances are reviewed annually. Carry forward amounts will be utilized for college operations.

V. Additional information

Base (Non-STEM) Disciplines	Math & Science Lab-Based Disciplines	Applied Specialized Disciplines
Ag and Life Sciences General Ag Communication & Journalism Ag Leadership & Development Agribusiness Agricultural Economics Agricultural Science Anthropology Classics Communication Community Health Dental Hygiene (HSC) Economics Education English Environmental Design Arch Studies General Studies / Blinn TEAM Geography Health History Horticulture Human Resource Development International Studies Kinesiology Landscape Architecture Modern Languages Nursing (HSC) Performance Studies Philosophy Political Science Psychology Public Health (HSC) Rangeland Ecology & Management Recreation, Park & Tourism Sciences Sociology Spanish Sport Management Telecommunication Media Studies Turfgrass Science University Studies Urban & Regional Planning Women's & Gender Studies	Animal Science Applied Math Sciences Biochemistry Bioenvironmental Sciences Biology Biomedical Science Chemistry Coastal Environmental Science & Society (GV) Ecological Restoration Ecology and Conservation Biology Entomology Environmental Geosciences Environmental Studies Food Science & Technology Food Systems Industry Management Forensic & Investigative Sciences Forestry General Academics (GV) Genetics Geographic Info Science and Tech Geology Geophysics Marine Biology (GV) Marine Engineering Technology (GV) Marine Fisheries (GV) Marine Science (GV) Maritime Business Administration (GV) Maritime Studies (GV) Maritime Transportation (GV) Mathematics Meteorology Microbiology Molecular & Cell Biology Neuroscience Nutrition Oceanography Physics Plant and Environmental Soil Science Poultry Science Rangeland, Wildlife & Fisheries Mgmt Renewable Natural Resources Spatial Sciences Statistics Technology Management University Studies (GV) Visualization Wildlife & Fisheries Sciences Zoology	Accounting Aerospace Engineering Agricultural Systems Management Architectural Engineering Biological & Agricultural Engineering Biomedical Engineering Business Administration Business Honors Chemical Engineering Civil Engineering Computer Engineering Computer Science Computing Construction Science Electrical Engineering Electronic Systems Engineering Tech Engineering Academy Environmental Engineering Finance General Engineering Industrial Distribution Industrial Engineering Interdisciplinary Engineering Management Management Information Systems Manufacturing & Mech Engineering Tech Marketing Materials Science and Engineering Mechanical Engineering Multidisciplinary Engineering Technology Nuclear Engineering Ocean Engineering Petroleum Engineering Supply Chain Management

** Programs are assigned a category based on CIP codes and designation as a STEM discipline. Programs may be moved based on changes in curriculum with increased math and science courses or designation as a STEM program. In addition, new programs may be added.*

Request for Increased Student Fee
TEXAS A&M UNIVERSITY
Differential Tuition

Current Fee: varies for Fall and Spring
varies for Summer
Proposed Fee: varies for Fall and Spring
varies for Summer
Basis: sem (sch, sem, student, etc.)

Number of Students Affected: 21,112
Current Semester Credit Hours: 654,472
Projected Semester Credit Hours: 654,472

	FY 2022 Budget	FY 2023 Budget without Increase	Proposed Increase	FY 2023 Budget with Increase
BEGINNING BALANCE - Actual	0			
Estimated		0		0
Revenues				
Fees	85,706,058	85,706,058	7,796,418	93,502,476
Total Revenues less exemptions	85,706,058	85,706,058	7,796,418	93,502,476
Expenses				
Salaries & Wages	38,267,196	38,267,196	3,456,118	41,723,314
Fringe Benefits	7,958,800	7,958,800	748,128	8,706,928
Maintenance and Operations	25,152,880	25,152,880	2,245,417	27,398,297
Equipment	1,302,484	1,302,484	122,434	1,424,918
Scholarships	13,024,698	13,024,698	1,224,322	14,249,020
Total Expenses	85,706,058	85,706,058	7,796,418	93,502,476
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

Request for Increased Student Fee
TEXAS A&M UNIVERSITY
Graduate Tuition and Fee Structure Change

I. Programmatic justification and proposed use of the increased fee

Texas A&M University, including Texas A&M University at Galveston and the Texas A&M Health Science Center, is proposing to re-structure graduate tuition and fees to align rates, simplify charges, establish consistency between disciplines and attain rate equity between undergraduate and graduate students.

The current tuition and fee structure has created inequitable situations across colleges and does not adequately reflect the cost of delivery differences in Math and Science lab-based disciplines and applied, specialized disciplines when compared with non-STEM programs. Graduate students also often pay less per hour than undergraduate students.

By restructuring tuition and fees, graduate rates will better align with undergraduate rates on a per hour basis; will better align with program costs; inequities will be corrected; and market supplements will be standardized.

Three levels will be created for graduate students with the following rates*:

Base (non-STEM)	\$4,444 per semester
Math and Science Lab Based	\$4,969 per semester
Applied, Specialized Disciplines	\$6,466 per semester

** Rates may vary based on approved center fees at different locations.*

Market supplements for specific disciplines:

Tier I	\$1,000 per semester
Tier II	\$5,000 per semester
Tier III	\$10,000+ per semester

This change applies only to new graduate students entering in Fall 2022 or later. Current doctoral students are grandfathered for three years, and all other graduate students are grandfathered for one year in their current program.

II. Public hearing and/or student referendum requirements

A tuition and fee hearing was held on November 15, 2021, to discuss the proposed changes.

III. Budget impact if fee request is not approved

There is no significant budget impact if the new structure is not approved.

IV. Justification for ending balance

Ending balances are reviewed annually. Carry forward amounts will be utilized for college operations.

V. Additional information

Base (Non-STEM) Disciplines

Agribusiness & Managerial Economics
 Adult Education - Certificate
 Agricultural Development
 Agricultural Economics
 Agricultural Education
 Agricultural Leadership Education & Comm
 Agriculture Elearning Development
 Anthropology
 Applied Behavior Analysis
 Athletic Training
 Bilingual Education
 Bilingual/ESL Education
 Clinical Psychology
 Communication
 Counseling Psychology
 Curriculum & Instruction
 Dental Graduate Certificate Programs
 Educ & Soc Sci Adv Res Meth
 Educ Human Resource Development
 Education For Healthcare Professionals
 Educational Administration
 Educational Psychology
 Educational Technology
 English
 Epidemiology And Environmental Health
 Equine Industry Management
 Forensic Healthcare - Certificate
 Geography
 Health Administration
 Health Education
 Health Policy And Managment
 Health Promotion & Community Health Sci.
 Health Services Research
 Hispanic Studies
 History
 Kinesiology
 I/O Psychology (PhD)
 Leadership Education, Theory, And Practice
 Maternal And Child Health
 Occupational Safety And Health
 Oral & Craniofacial Biomedical Sciences
 Oral Biology
 Performance Studies
 Philosophy
 Political Science
 Public Health Sciences
 Recreation & Youth Development
 Recreation, Park & Tourism Sciences
 School Psychology
 Science & Technology Journalism
 Sociology
 Special Education
 Sport Management

Market Supplement: Tier 1

Agribusiness
 Bush School Certificate Programs
 Education Online Degrees
 Land & Property Development

Math & Science Lab-Based Disciplines

Agronomy
 Animal Breeding
 Animal Science
 Applied Physics
 Applied Statistics
 Astronomy
 Atmospheric Sciences
 Biochemistry
 Biology
 Biomedical Sciences
 Biostatistics
 Chemistry
 Clinical Nutrition
 Ecology And Conservation Biology
 Ecology And Evolutionary Biology
 Economics (PhD)
 Ecosystem Science & Management
 Entomology
 Environmental Health
 Epidemiology
 Food Science & Technology
 Genetics
 Genetics and Genomics
 Geographic Information Science
 Geology
 Geophysics
 Geoscience
 Geospatial Intelligence
 Horticulture
 Learning Design & Technology
 Marine Biology
 Maritime Archaeology & Conservation
 Marine & Coastal Management & Sci
 Mathematics
 Medical Sciences
 Microbiology
 Military Land Sustainability
 Molecular & Environmental Plant Sci
 Natural Resources Development
 Neuroscience
 Nutrition
 Ocean Science And Technology
 Oceanography
 Physics
 Physiology Of Reproduction
 Plant Breeding
 Plant Pathology
 Poultry Science
 Psychology (PhD)
 Rangeland, Wildlife & Fisheries Mgmt
 Soil Science
 Statistics
 Toxicology
 Veterinary Public Health-Epidemiology
 Wildlife & Fisheries Sciences
 Wildlife Science

Market Supplement: Tier 1

Architecture

Applied, Specialized Disciplines

Agricultural Systems Management
 Aerospace Engineering
 Analog & Mixed-Signal
 Biological & Agricultural Engineering
 Biomedical Engineering
 Biotechnology
 Business Administration (PhD)
 Chemical Engineering
 Civil Engineering
 Computer Engineering
 Computer Science
 Construction Management
 Construction Science
 Cybersecurity Engineering
 Electrical Engineering
 Engineering
 Engineering Management
 Engineering Systems Management
 Engineering Technology
 Industrial Engineering
 Interdisciplinary Engineering
 Management (PhD)
 Materials Science & Engineering
 Mechanical Engineering
 Nuclear Engineering
 Ocean Engineering
 Petroleum Engineering
 Safety Engineering
 Systems Engineering
 Water Management And Hydro Science

Market Supplement: Tier 1

Accounting
 Entrepreneurship (Certificate)
 Financial Management
 Management Information Systems

Market Supplement: Tier 2

Business
 Entrepreneurial Leadership
 Human Resource Management
 Land & Property Development
 Land Economics & Real Estate

Market Supplement: Tier 3

Finance
 Energy (Masters & Certificate)
 Exec Masters Engineering Systems Mgt
 Marketing
 Master of Engineering in Tech Mgmt
 Master of Industrial Distribution
 MBA Programs (FT, Prof, Exec)
 MBA/MS Analytics Combined
 MS Analytics

Landscape Architecture	Marine Resources Management
Urban & Regional Planning	Maritime Business Admin & Logistics
Urban & Regional Science	Pharmaceutical Sciences
International Affairs	Visualization
International Policy	
National Security & Intelligence	
Nursing Programs	Market Supplement: Tier 2
Public Managment	Data Science
Public Service And Administration	Economics (MS)
	Online Geosciences Petr. Programs
	MS Psychological Sciences
Market Supplement: Tier 3	
Executive Masters Health Administration	Market Supplement: Tier 3
	Quantitative Finance

** Programs are assigned a category based on CIP codes and designation as a STEM discipline. Programs may be moved based on changes in curriculum with increased math and science courses or designation as a STEM program. In addition, new programs may be added.*

Request for Increased Student Fee
TEXAS A&M UNIVERSITY
 Graduate Program Fees

Current Fee: varies for Fall and Spring
varies for Summer
 Proposed Fee: varies for Fall and Spring
varies for Summer
 Basis: sem (sch, sem, student, etc.)

Number of Students Affected: 2,066
 Current Semester Credit Hours: 49,584
 Projected Semester Credit Hours: 49,584

	FY 2022 Budget	FY 2023 Budget without Increase	Proposed Increase	FY 2023 Budget with Increase
BEGINNING BALANCE - Actual	0			
Estimated		0		0
Revenues				
Fees	53,602,041	53,602,041	3,682,853	57,284,894
Total Revenues, net of exemptions	53,602,041	53,602,041	3,682,853	57,284,894
Expenses				
Salaries & Wages	19,289,109	19,289,109	1,325,303	20,614,412
Fringe Benefits	3,131,595	3,131,595	215,164	3,346,759
Operations and Maintenance	18,972,462	18,972,462	1,303,547	20,276,009
Scholarships	10,283,706	10,283,706	706,566	10,990,272
Equipment	1,925,169	1,925,169	132,273	2,057,442
Total Expenses	53,602,041	53,602,041	3,682,853	57,284,894
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

TEXAS A&M UNIVERSITY at GALVESTON

Summary of Proposed Fee Changes

Effective Fall 2022

PAGE	FEE DESCRIPTION	BASIS	CURRENT	INCREASE/ DECREASE	PROPOSED
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Align Texas A&M University at Galveston undergraduate and graduate rates and rate structure with Texas A&M University.

3.2 Undergraduate Resident Variable Mandatory Tuition and Fees by Type of Program:

Base (Non-STEM) Disciplines	SEM	varies	varies	\$5,900.00
Math & Science Lab-Based Disciplines	SEM	varies	varies	\$6,250.00
Applied Specialized Disciplines	SEM	varies	varies	\$6,850.00

***These rates are consistent with Texas A&M University Main Campus. Rates vary based on approved center fees at different locations.**

The overall academic charge (tuition and fees) to a student choosing the **guaranteed rate** tuition and fee plan will be set at an amount equal to 8% greater than the one-year variable rate tuition and fee plan.

3.5 Graduate Resident Mandatory Tuition and Fees by Type of Program:

Base (Non-STEM) Disciplines	SEM	varies	varies	\$4,444.00
Math & Science Lab-Based Disciplines	SEM	varies	varies	\$4,969.00
Applied Specialized Disciplines	SEM	varies	varies	\$6,466.00

***These rates are consistent with Texas A&M University Main Campus. Rates vary based on approved center fees at different locations.**

Graduate Market Supplement for Specific Disciplines

Tier 1	SEM	varies	varies	\$1,000.00
Tier 2	SEM	varies	varies	\$5,000.00
Tier 3	SEM	varies	varies	\$10,000.00+

Request the authority to charge the current undergraduate non-resident differential tuition to all non-resident students.

3.9 Cadet License Option Program Fee

***Reduces current \$9,925 summer field trip fee**

SCH - Semester Credit Hour

SEM - Semester

Request for Increased Student Fee
TEXAS A&M UNIVERSITY at GALVESTON
Undergraduate Tuition and Fee Structure Change

I. Programmatic justification and proposed use of the increased fee

Texas A&M University, including Texas A&M University at Galveston and the Texas A&M Health Science Center, is proposing to re-structure undergraduate tuition and fees to align rates, simplify charges and attain equity between majors.

The current tuition and fee structure has created inequitable situations across colleges and does not adequately reflect the cost of delivery differences in Math and Science lab-based disciplines and applied, specialized disciplines when compared with non-STEM programs.

By restructuring tuition and fees from college-based to program-based, tuition and fees will: better align with program costs and major inequities will be corrected; will be easier for students to understand (they identify with a major more than a college); will be easier for parents to plan; and will be easier for the general public to understand.

Three levels will be created for undergraduate students with the following rates*:

Base (non-STEM)	\$5,900 per semester
Math and Science Lab Based	\$6,250 per semester
Applied, Specialized Disciplines	\$6,850 per semester

** Rates may vary based on approved center fees at different locations.*

With the implementation of the new structure, 21% of new undergraduate students and current students on the variable rate plan will experience a decrease in program costs, and approximately 47% of new undergraduate students and current students on the variable rate plan will experience increases of less than 2.7%. The overall net increase in the proposed changes is less than 2.5%. This change will have no impact on current students on a fixed tuition plan.

II. Public hearing and/or student referendum requirements

A tuition and fee hearing was held on November 15, 2021, to discuss the proposed changes.

III. Budget impact if fee request is not approved

There is no significant budget impact if the new structure is not approved.

IV. Justification for ending balance

Ending balances are reviewed annually. Carry forward amounts will be utilized for college operations.

V. Additional information

Base (Non-STEM) Disciplines	Math & Science Lab-Based Disciplines	Applied Specialized Disciplines
Ag and Life Sciences General Ag Communication & Journalism Ag Leadership & Development Agribusiness Agricultural Economics Agricultural Science Anthropology Classics Communication Community Health Dental Hygiene (HSC) Economics Education English Environmental Design Arch Studies General Studies / Blinn TEAM Geography Health History Horticulture Human Resource Development International Studies Kinesiology Landscape Architecture Modern Languages Nursing (HSC) Performance Studies Philosophy Political Science Psychology Public Health (HSC) Rangeland Ecology & Management Recreation, Park & Tourism Sciences Sociology Spanish Sport Management Telecommunication Media Studies Turfgrass Science University Studies Urban & Regional Planning Women's & Gender Studies	Animal Science Applied Math Sciences Biochemistry Bioenvironmental Sciences Biology Biomedical Science Chemistry Coastal Environmental Science & Society (GV) Ecological Restoration Ecology and Conservation Biology Entomology Environmental Geosciences Environmental Studies Food Science & Technology Food Systems Industry Management Forensic & Investigative Sciences Forestry General Academics (GV) Genetics Geographic Info Science and Tech Geology Geophysics Marine Biology (GV) Marine Engineering Technology (GV) Marine Fisheries (GV) Marine Science (GV) Maritime Business Administration (GV) Maritime Studies (GV) Maritime Transportation (GV) Mathematics Meteorology Microbiology Molecular & Cell Biology Neuroscience Nutrition Oceanography Physics Plant and Environmental Soil Science Poultry Science Rangeland, Wildlife & Fisheries Mgmt Renewable Natural Resources Spatial Sciences Statistics Technology Management University Studies (GV) Visualization Wildlife & Fisheries Sciences Zoology	Accounting Aerospace Engineering Agricultural Systems Management Architectural Engineering Biological & Agricultural Engineering Biomedical Engineering Business Administration Business Honors Chemical Engineering Civil Engineering Computer Engineering Computer Science Computing Construction Science Electrical Engineering Electronic Systems Engineering Tech Engineering Academy Environmental Engineering Finance General Engineering Industrial Distribution Industrial Engineering Interdisciplinary Engineering Management Management Information Systems Manufacturing & Mech Engineering Tech Marketing Materials Science and Engineering Mechanical Engineering Multidisciplinary Engineering Technology Nuclear Engineering Ocean Engineering Petroleum Engineering Supply Chain Management

** Programs are assigned a category based on CIP codes and designation as a STEM discipline. Programs may be moved based on changes in curriculum with increased math and science courses or designation as a STEM program. In addition, new programs may be added.*

Request for Increased Student Fee
TEXAS A&M UNIVERSITY at GALVESTON
Differential Tuition

Current Fee: varies for Fall and Spring
varies for Summer
Proposed Fee: varies for Fall and Spring
varies for Summer
Basis: sem (sch, sem, student, etc.)

Number of Students Affected: 1,344
Current Semester Credit Hours: 41,664
Projected Semester Credit Hours: 41,664

	FY 2022 Budget	FY 2023 Budget without Increase	Proposed Increase	FY 2023 Budget with Increase
BEGINNING BALANCE - Actual Estimated	0	0		0
Revenues				
Fees	1,909,332	1,909,332	104,000	2,013,332
Total Revenues (net of set-asides/exemptions)	1,909,332	1,909,332	104,000	2,013,332
Expenses				
Salaries & Wages	966,765	966,765	52,659	1,019,424
Fringe Benefits	196,939	196,939	10,727	207,666
Operations and Maintenance	728,609	728,609	39,687	768,295
Scholarships	17,020	17,020	927	17,947
Total Expenses	1,909,332	1,909,332	104,000	2,013,332
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

Request for Increased Student Fee
TEXAS A&M UNIVERSITY at GALVESTON
Graduate Tuition and Fee Structure Change

I. Programmatic justification and proposed use of the increased fee

Texas A&M University, including Texas A&M University at Galveston and the Texas A&M Health Science Center, is proposing to re-structure graduate tuition and fees to align rates, simplify charges, establish consistency between disciplines and attain rate equity between undergraduate and graduate students.

The current tuition and fee structure has created inequitable situations across colleges and does not adequately reflect the cost of delivery differences in Math and Science lab-based disciplines and applied, specialized disciplines when compared with non-STEM programs. Graduate students also often pay less per hour than undergraduate students.

By restructuring tuition and fees, graduate rates will better align with undergraduate rates on a per hour basis; will better align with program costs; inequities will be corrected; and market supplements will be standardized.

Three levels will be created for graduate students with the following rates*:

Base (non-STEM)	\$4,444 per semester
Math and Science Lab Based	\$4,969 per semester
Applied, Specialized Disciplines	\$6,466 per semester

** Rates may vary based on approved center fees at different locations.*

Market supplements for specific disciplines:

Tier I	\$1,000 per semester
Tier II	\$5,000 per semester
Tier III	\$10,000+ per semester

This change applies only to new graduate students entering in Fall 2022 or later. Current doctoral students are grandfathered for three years, and all other graduate students are grandfathered for one year in their current program.

II. Public hearing and/or student referendum requirements

A tuition and fee hearing was held on November 15, 2021, to discuss the proposed changes.

III. Budget impact if fee request is not approved

There is no significant budget impact if the new structure is not approved.

IV. Justification for ending balance

Ending balances are reviewed annually. Carry forward amounts will be utilized for college operations.

V. Additional information

Base (Non-STEM) Disciplines

Agribusiness & Managerial Economics
 Adult Education - Certificate
 Agricultural Development
 Agricultural Economics
 Agricultural Education
 Agricultural Leadership Education & Comm
 Agriculture Elearning Development
 Anthropology
 Applied Behavior Analysis
 Athletic Training
 Bilingual Education
 Bilingual/ESL Education
 Clinical Psychology
 Communication
 Counseling Psychology
 Curriculum & Instruction
 Dental Graduate Certificate Programs
 Educ & Soc Sci Adv Res Meth
 Educ Human Resource Development
 Education For Healthcare Professionals
 Educational Administration
 Educational Psychology
 Educational Technology
 English
 Epidemiology And Environmental Health
 Equine Industry Management
 Forensic Healthcare - Certificate
 Geography
 Health Administration
 Health Education
 Health Policy And Managment
 Health Promotion & Community Health Sci.
 Health Services Research
 Hispanic Studies
 History
 Kinesiology
 I/O Psychology (PhD)
 Leadership Education, Theory, And Practice
 Maternal And Child Health
 Occupational Safety And Health
 Oral & Craniofacial Biomedical Sciences
 Oral Biology
 Performance Studies
 Philosophy
 Political Science
 Public Health Sciences
 Recreation & Youth Development
 Recreation, Park & Tourism Sciences
 School Psychology
 Science & Technology Journalism
 Sociology
 Special Education
 Sport Management

Market Supplement: Tier 1

Agribusiness
 Bush School Certificate Programs
 Education Online Degrees
 Land & Property Development

Math & Science Lab-Based Disciplines

Agronomy
 Animal Breeding
 Animal Science
 Applied Physics
 Applied Statistics
 Astronomy
 Atmospheric Sciences
 Biochemistry
 Biology
 Biomedical Sciences
 Biostatistics
 Chemistry
 Clinical Nutrition
 Ecology And Conservation Biology
 Ecology And Evolutionary Biology
 Economics (PhD)
 Ecosystem Science & Management
 Entomology
 Environmental Health
 Epidemiology
 Food Science & Technology
 Genetics
 Genetics and Genomics
 Geographic Information Science
 Geology
 Geophysics
 Geoscience
 Geospatial Intelligence
 Horticulture
 Learning Design & Technology
 Marine Biology
 Maritime Archaeology & Conservation
 Marine & Coastal Management & Sci
 Mathematics
 Medical Sciences
 Microbiology
 Military Land Sustainability
 Molecular & Environmental Plant Sci
 Natural Resources Development
 Neuroscience
 Nutrition
 Ocean Science And Technology
 Oceanography
 Physics
 Physiology Of Reproduction
 Plant Breeding
 Plant Pathology
 Poultry Science
 Psychology (PhD)
 Rangeland, Wildlife & Fisheries Mgmt
 Soil Science
 Statistics
 Toxicology
 Veterinary Public Health-Epidemiology
 Wildlife & Fisheries Sciences
 Wildlife Science

Market Supplement: Tier 1

Architecture

Applied, Specialized Disciplines

Agricultural Systems Management
 Aerospace Engineering
 Analog & Mixed-Signal
 Biological & Agricultural Engineering
 Biomedical Engineering
 Biotechnology
 Business Administration (PhD)
 Chemical Engineering
 Civil Engineering
 Computer Engineering
 Computer Science
 Construction Management
 Construction Science
 Cybersecurity Engineering
 Electrical Engineering
 Engineering
 Engineering Management
 Engineering Systems Management
 Engineering Technology
 Industrial Engineering
 Interdisciplinary Engineering
 Management (PhD)
 Materials Science & Engineering
 Mechanical Engineering
 Nuclear Engineering
 Ocean Engineering
 Petroleum Engineering
 Safety Engineering
 Systems Engineering
 Water Management And Hydro Science

Market Supplement: Tier 1

Accounting
 Entrepreneurship (Certificate)
 Financial Management
 Management Information Systems

Market Supplement: Tier 2

Business
 Entrepreneurial Leadership
 Human Resource Management
 Land & Property Development
 Land Economics & Real Estate

Market Supplement: Tier 3

Finance
 Energy (Masters & Certificate)
 Exec Masters Engineering Systems Mgt
 Marketing
 Master of Engineering in Tech Mgmt
 Master of Industrial Distribution
 MBA Programs (FT, Prof, Exec)
 MBA/MS Analytics Combined
 MS Analytics

Landscape Architecture	Marine Resources Management
Urban & Regional Planning	Maritime Business Admin & Logistics
Urban & Regional Science	Pharmaceutical Sciences
International Affairs	Visualization
International Policy	
National Security & Intelligence	
Nursing Programs	Market Supplement: Tier 2
Public Managment	Data Science
Public Service And Administration	Economics (MS)
	Online Geosciences Petr. Programs
	MS Psychological Sciences
Market Supplement: Tier 3	
Executive Masters Health Administration	Market Supplement: Tier 3
	Quantitative Finance

** Programs are assigned a category based on CIP codes and designation as a STEM discipline. Programs may be moved based on changes in curriculum with increased math and science courses or designation as a STEM program. In addition, new programs may be added.*

Graduate Program Fees

Basis:	<u>sem</u>	(sch, sem, student, etc.)
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Projected Semester Credit Hours:	1,032
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		FY 2023 Budget without Increase	Proposed Increase	FY 2023 Budget with Increase
BEGINNING BALANCE - Actual	0			
Estimated		0		0
Revenues				
Fees	306,500	306,500	42,750	349,250
Total Revenues (net of exemptions)	306,500	306,500	42,750	349,250
Expenses				
Salaries & Wages	140,324	140,324	19,572	159,896
Fringe Benefits	41,676	41,676	5,813	47,489
Departmental Operations	124,500	124,500	17,365	141,865
Total Expenses	306,500	306,500	42,750	349,250
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

Request for New Student Fee
TEXAS A&M UNIVERSITY at GALVESTON
 Cadet License Option Program Fee
 Effective Fall 2022

I. Programmatic justification and proposed use of the new fee

Currently Texas A&M University at Galveston assesses a one-time fee in the summer for those students registered for summer sea term. This summer sea term fee covers the cost of the summer training program and supports the 12-month operational costs of the training ship, crew, and overall program. Texas A&M at Galveston is proposing a new fee to be called Cadet License Option Program Fee to be assessed every long semester a cadet is enrolled in the University. We are also reducing the current assessment (Summer Sea Term Fee) to smooth out the financial impact to our cadets for each year. By doing this they will see much more consistent cost per semester and will not be burdened with a large cost only in the summer. By collecting this Program Fee on all long semesters enrolled the Academy will also have a more efficient way to record and manage its revenue.

Fee Name	2021 Summer Fee	Escalation for SST 2022	Adjusted Summer 2022 Fee	Charged in Fall & Spring	Charged only In Summer	Total Collected In FY2023 per Cadet
Assessment (Summer Sea Term Fee)	9,825	1.03	10,100		2,700	2,700
New Cadet License Option Program Fee				3,700		7,400
Total	9,825	1.03	10,100			10,100
New Structure shows no change from projected summer 2022 Assessment						

TAMUG is requesting approval to charge a Program Fee of \$3,700 per long semester (fall and spring) to be called Cadet License Option Program Fee. This new fee will begin in the fall of 2022.

Those students who have completed all required sea terms prior to the start of fall 2022 will be grandfathered in.

II. Public hearing and/or student referendum requirements

A student forum to discuss this new fee structure and its application to students was held on November 8, 2021.

III. Budget impact if fee request is not approved

There is little or no budget impact to this request as we are only asking to change the way we charge our License Option students helping to spread the total cost out over time rather than have the student be charged one large amount in the summer which is difficult to manage for our students and their parents.

IV. Justification for ending balance

We do expect reserves to be built up over time in this Program Fee to provide funding necessary for dock maintenance and annual dredging costs.

Request to Increase Student Fee
TEXAS A&M UNIVERSITY at GALVESTON
 Cadet License Option Program Fee

Proposed Fee: \$3,700.00 for Fall and Spring
 \$0.00 for Summer
 Basis: sem (sch, sem, student, etc.)

Number of Students Affected: 320
 Projected Student Enrollment: _____
 Projected Semester Credit Hours: _____

		FY 2023 Budget
BEGINNING BALANCE		0
Revenues		
Fees		2,368,000
Total Revenues		2,368,000
Expenses		
Salaries & Wages		572,044
Fringe Benefits		154,452
Ship Operations		650,000
Shore Operations		300,000
Reserve for Dredging		500,000
Total Expenses		2,176,496
Increase/Decrease in Balance (Revenues less Expenses)		191,504
ENDING BALANCE		191,504

TEXAS A&M HEALTH SCIENCE CENTER

Summary of Proposed Fee Changes

Effective Fall 2022

PAGE	FEE DESCRIPTION	BASIS	CURRENT	INCREASE/ DECREASE	PROPOSED
	Align Texas A&M Health Science Center undergraduate and graduate rates and rate structure with Texas A&M University.				
4.2	Undergraduate Resident Variable Mandatory Tuition and Fees by Type of Program:				
	Base (Non-STEM) Disciplines	SEM	varies	varies	\$5,900.00
	Math & Science Lab-Based Disciplines	SEM	varies	varies	\$6,250.00
	Applied Specialized Disciplines	SEM	varies	varies	\$6,850.00
	*These rates are consistent with Texas A&M University Main Campus. Rates vary based on approved center fees at different locations.				
	The overall academic charge (tuition and fees) to a student choosing the guaranteed rate tuition and fee plan will be set at an amount equal to 8% greater than the one-year variable rate tuition and fee plan.				
4.6	Graduate Resident Mandatory Tuition and Fees by Type of Program:				
	Base (Non-STEM) Disciplines	SEM	varies	varies	\$4,444.00
	Math & Science Lab-Based Disciplines	SEM	varies	varies	\$4,969.00
	Applied Specialized Disciplines	SEM	varies	varies	\$6,466.00
	*These rates are consistent with Texas A&M University Main Campus. Rates vary based on approved center fees at different locations.				
	Graduate Market Supplement for Specific Disciplines				
	Tier 1	SEM	varies	varies	\$1,000.00
	Tier 2	SEM	varies	varies	\$5,000.00
	Tier 3	SEM	varies	varies	\$10,000.00+
	Request the authority to charge the current undergraduate non-resident differential tuition to all non-resident students.				
4.10	EnMed Program Fee				
	Resident	YEAR	\$10,000.00	\$5,000.00	\$15,000.00
	Out of State	YEAR	\$10,000.00	\$20,000.00	\$30,000.00
	International	YEAR	\$10,000.00	\$50,000.00	\$60,000.00

SCH - Semester Credit Hour

SEM - Semester

Request for Increased Student Fee
TEXAS A&M HEALTH SCIENCE CENTER
Undergraduate Tuition and Fee Structure Change

I. Programmatic justification and proposed use of the increased fee

Texas A&M University, including Texas A&M University at Galveston and the Texas A&M Health Science Center, is proposing to re-structure undergraduate tuition and fees to align rates, simplify charges and attain equity between majors.

The current tuition and fee structure has created inequitable situations across colleges and does not adequately reflect the cost of delivery differences in Math and Science lab-based disciplines and applied, specialized disciplines when compared with non-STEM programs.

By restructuring tuition and fees from college-based to program-based, tuition and fees will: better align with program costs and major inequities will be corrected; will be easier for students to understand (they identify with a major more than a college); will be easier for parents to plan; and will be easier for the general public to understand.

Three levels will be created for undergraduate students with the following rates*:

Base (non-STEM)	\$5,900 per semester
Math and Science Lab Based	\$6,250 per semester
Applied, Specialized Disciplines	\$6,850 per semester

** Rates may vary based on approved center fees at different locations.*

With the implementation of the new structure, 21% of new undergraduate students and current students on the variable rate plan will experience a decrease in program costs, and approximately 47% of new undergraduate students and current students on the variable rate plan will experience increases of less than 2.7%. The overall net increase in the proposed changes is less than 2.5%. This change will have no impact on current students on a fixed tuition plan.

II. Public hearing and/or student referendum requirements

A tuition and fee hearing was held on November 15, 2021, to discuss the proposed changes.

III. Budget impact if fee request is not approved

There is no significant budget impact if the new structure is not approved.

IV. Justification for ending balance

Ending balances are reviewed annually. Carry forward amounts will be utilized for college operations.

V. Additional information

Base (Non-STEM) Disciplines	Math & Science Lab-Based Disciplines	Applied Specialized Disciplines
Ag and Life Sciences General Ag Communication & Journalism Ag Leadership & Development Agribusiness Agricultural Economics Agricultural Science Anthropology Classics Communication Community Health Dental Hygiene (HSC) Economics Education English Environmental Design Arch Studies General Studies / Blinn TEAM Geography Health History Horticulture Human Resource Development International Studies Kinesiology Landscape Architecture Modern Languages Nursing (HSC) Performance Studies Philosophy Political Science Psychology Public Health (HSC) Rangeland Ecology & Management Recreation, Park & Tourism Sciences Sociology Spanish Sport Management Telecommunication Media Studies Turfgrass Science University Studies Urban & Regional Planning Women's & Gender Studies	Animal Science Applied Math Sciences Biochemistry Bioenvironmental Sciences Biology Biomedical Science Chemistry Coastal Environmental Science & Society (GV) Ecological Restoration Ecology and Conservation Biology Entomology Environmental Geosciences Environmental Studies Food Science & Technology Food Systems Industry Management Forensic & Investigative Sciences Forestry General Academics (GV) Genetics Geographic Info Science and Tech Geology Geophysics Marine Biology (GV) Marine Engineering Technology (GV) Marine Fisheries (GV) Marine Science (GV) Maritime Business Administration (GV) Maritime Studies (GV) Maritime Transportation (GV) Mathematics Meteorology Microbiology Molecular & Cell Biology Neuroscience Nutrition Oceanography Physics Plant and Environmental Soil Science Poultry Science Rangeland, Wildlife & Fisheries Mgmt Renewable Natural Resources Spatial Sciences Statistics Technology Management University Studies (GV) Visualization Wildlife & Fisheries Sciences Zoology	Accounting Aerospace Engineering Agricultural Systems Management Architectural Engineering Biological & Agricultural Engineering Biomedical Engineering Business Administration Business Honors Chemical Engineering Civil Engineering Computer Engineering Computer Science Computing Construction Science Electrical Engineering Electronic Systems Engineering Tech Engineering Academy Environmental Engineering Finance General Engineering Industrial Distribution Industrial Engineering Interdisciplinary Engineering Management Management Information Systems Manufacturing & Mech Engineering Tech Marketing Materials Science and Engineering Mechanical Engineering Multidisciplinary Engineering Technology Nuclear Engineering Ocean Engineering Petroleum Engineering Supply Chain Management

** Programs are assigned a category based on CIP codes and designation as a STEM discipline. Programs may be moved based on changes in curriculum with increased math and science courses or designation as a STEM program. In addition, new programs may be added.*

Request for Increased Student Fee
TEXAS A&M HEALTH SCIENCE CENTER
 Designated Tuition

Current Fee: varies for Fall and Spring
varies for Summer
 Proposed Fee: varies for Fall and Spring
varies for Summer
 Basis: sch (sch, sem, student, etc.)

Number of Students Affected: 308
 Current Semester Credit Hours: 8,316
 Projected Semester Credit Hours: 8,316

	FY 2022 Budget	FY 2023 Budget without Increase	FY 2023 Proposed Increase	FY 2023 Budget with Increase
BEGINNING BALANCE - Actual	0			
Estimated		0		0
Revenues				
Fees	13,515,196	13,515,196	594,622	14,109,818
Total Revenues (net of exemptions)	13,515,196	13,515,196	594,622	14,109,818
Expenses				
Salaries & Wages	1,098,627	1,098,627	48,336	1,146,963
Fringe Benefits	201,077	201,077	8,847	209,924
Operations and Maintenance	11,013,456	11,013,456	52,885	11,066,341
Scholarships	1,202,036	1,202,036	484,554	1,686,590
Total Expenses	13,515,196	13,515,196	594,622	14,109,818
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

Request for Increased Student Fee
TEXAS A&M HEALTH SCIENCE CENTER
University Advancement Fee

Current Fee: varies for Fall and Spring
 varies for Summer
Proposed Fee: varies for Fall and Spring
 varies for Summer
Basis: sch (sch, sem, student, etc.)

Number of Students Affected: 308
Current Semester Credit Hours: 8,316
Projected Semester Credit Hours: 8,316

	FY 2022 Budget	FY 2023 Budget without Increase	FY 2023 Proposed Increase	FY 2023 Budget with Increase
BEGINNING BALANCE - Actual	0			
Estimated		0		0
Revenues	0			
Fees	5,856,126	5,856,126	219,100	6,075,226
Total Revenues	5,856,126	5,856,126	219,100	6,075,226
Expenses				
Salaries & Wages	305,107	305,107	11,416	316,523
Fringe Benefits	44,071	44,071	1,649	45,720
Operations and Maintenance	5,506,948	5,506,948	206,035	5,712,983
Total Expenses	5,856,126	5,856,126	219,100	6,075,226
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

Request for Increased Student Fee
TEXAS A&M HEALTH SCIENCE CENTER
Graduate Tuition and Fee Structure Change

I. Programmatic justification and proposed use of the increased fee

Texas A&M University, including Texas A&M University at Galveston and the Texas A&M Health Science Center, is proposing to re-structure graduate tuition and fees to align rates, simplify charges, establish consistency between disciplines and attain rate equity between undergraduate and graduate students.

The current tuition and fee structure has created inequitable situations across colleges and does not adequately reflect the cost of delivery differences in Math and Science lab-based disciplines and applied, specialized disciplines when compared with non-STEM programs. Graduate students also often pay less per hour than undergraduate students.

By restructuring tuition and fees, graduate rates will better align with undergraduate rates on a per hour basis; will better align with program costs; inequities will be corrected; and market supplements will be standardized.

Three levels will be created for graduate students with the following rates*:

Base (non-STEM)	\$4,444 per semester
Math and Science Lab Based	\$4,969 per semester
Applied, Specialized Disciplines	\$6,466 per semester

** Rates may vary based on approved center fees at different locations.*

Market supplements for specific disciplines:

Tier I	\$1,000 per semester
Tier II	\$5,000 per semester
Tier III	\$10,000+ per semester

This change applies only to new graduate students entering in Fall 2022 or later. Current doctoral students are grandfathered for three years, and all other graduate students are grandfathered for one year in their current program.

II. Public hearing and/or student referendum requirements

A tuition and fee hearing was held on November 15, 2021, to discuss the proposed changes.

III. Budget impact if fee request is not approved

There is no significant budget impact if the new structure is not approved.

IV. Justification for ending balance

Ending balances are reviewed annually. Carry forward amounts will be utilized for college operations.

V. Additional information

Base (Non-STEM) Disciplines

Agribusiness & Managerial Economics
 Adult Education - Certificate
 Agricultural Development
 Agricultural Economics
 Agricultural Education
 Agricultural Leadership Education & Comm
 Agriculture Elearning Development
 Anthropology
 Applied Behavior Analysis
 Athletic Training
 Bilingual Education
 Bilingual/ESL Education
 Clinical Psychology
 Communication
 Counseling Psychology
 Curriculum & Instruction
 Dental Graduate Certificate Programs
 Educ & Soc Sci Adv Res Meth
 Educ Human Resource Development
 Education For Healthcare Professionals
 Educational Administration
 Educational Psychology
 Educational Technology
 English
 Epidemiology And Environmental Health
 Equine Industry Management
 Forensic Healthcare - Certificate
 Geography
 Health Administration
 Health Education
 Health Policy And Managment
 Health Promotion & Community Health Sci.
 Health Services Research
 Hispanic Studies
 History
 Kinesiology
 I/O Psychology (PhD)
 Leadership Education, Theory, And Practice
 Maternal And Child Health
 Occupational Safety And Health
 Oral & Craniofacial Biomedical Sciences
 Oral Biology
 Performance Studies
 Philosophy
 Political Science
 Public Health Sciences
 Recreation & Youth Development
 Recreation, Park & Tourism Sciences
 School Psychology
 Science & Technology Journalism
 Sociology
 Special Education
 Sport Management

Market Supplement: Tier 1

Agribusiness
 Bush School Certificate Programs
 Education Online Degrees
 Land & Property Development

Math & Science Lab-Based Disciplines

Agronomy
 Animal Breeding
 Animal Science
 Applied Physics
 Applied Statistics
 Astronomy
 Atmospheric Sciences
 Biochemistry
 Biology
 Biomedical Sciences
 Biostatistics
 Chemistry
 Clinical Nutrition
 Ecology And Conservation Biology
 Ecology And Evolutionary Biology
 Economics (PhD)
 Ecosystem Science & Management
 Entomology
 Environmental Health
 Epidemiology
 Food Science & Technology
 Genetics
 Genetics and Genomics
 Geographic Information Science
 Geology
 Geophysics
 Geoscience
 Geospatial Intelligence
 Horticulture
 Learning Design & Technology
 Marine Biology
 Maritime Archaeology & Conservation
 Marine & Coastal Management & Sci
 Mathematics
 Medical Sciences
 Microbiology
 Military Land Sustainability
 Molecular & Environmental Plant Sci
 Natural Resources Development
 Neuroscience
 Nutrition
 Ocean Science And Technology
 Oceanography
 Physics
 Physiology Of Reproduction
 Plant Breeding
 Plant Pathology
 Poultry Science
 Psychology (PhD)
 Rangeland, Wildlife & Fisheries Mgmt
 Soil Science
 Statistics
 Toxicology
 Veterinary Public Health-Epidemiology
 Wildlife & Fisheries Sciences
 Wildlife Science

Market Supplement: Tier 1

Architecture

Applied, Specialized Disciplines

Agricultural Systems Management
 Aerospace Engineering
 Analog & Mixed-Signal
 Biological & Agricultural Engineering
 Biomedical Engineering
 Biotechnology
 Business Administration (PhD)
 Chemical Engineering
 Civil Engineering
 Computer Engineering
 Computer Science
 Construction Management
 Construction Science
 Cybersecurity Engineering
 Electrical Engineering
 Engineering
 Engineering Management
 Engineering Systems Management
 Engineering Technology
 Industrial Engineering
 Interdisciplinary Engineering
 Management (PhD)
 Materials Science & Engineering
 Mechanical Engineering
 Nuclear Engineering
 Ocean Engineering
 Petroleum Engineering
 Safety Engineering
 Systems Engineering
 Water Management And Hydro Science

Market Supplement: Tier 1

Accounting
 Entrepreneurship (Certificate)
 Financial Management
 Management Information Systems

Market Supplement: Tier 2

Business
 Entrepreneurial Leadership
 Human Resource Management
 Land & Property Development
 Land Economics & Real Estate

Market Supplement: Tier 3

Finance
 Energy (Masters & Certificate)
 Exec Masters Engineering Systems Mgt
 Marketing
 Master of Engineering in Tech Mgmt
 Master of Industrial Distribution
 MBA Programs (FT, Prof, Exec)
 MBA/MS Analytics Combined
 MS Analytics

Landscape Architecture	Marine Resources Management
Urban & Regional Planning	Maritime Business Admin & Logistics
Urban & Regional Science	Pharmaceutical Sciences
International Affairs	Visualization
International Policy	
National Security & Intelligence	
Nursing Programs	Market Supplement: Tier 2
Public Managment	Data Science
Public Service And Administration	Economics (MS)
	Online Geosciences Petr. Programs
	MS Psychological Sciences
Market Supplement: Tier 3	
Executive Masters Health Administration	Market Supplement: Tier 3
	Quantitative Finance

** Programs are assigned a category based on CIP codes and designation as a STEM discipline. Programs may be moved based on changes in curriculum with increased math and science courses or designation as a STEM program. In addition, new programs may be added.*

Request for Increased Student Fee
TEXAS A&M UNIVERSITY HEALTH SCIENCE CENTER
 Graduate Program Fees

Current Fee: varies for Fall and Spring
varies for Summer
 Proposed Fee: varies for Fall and Spring
varies for Summer
 Basis: sem (sch, sem, student, etc.)

Number of Students Affected: 192
 Current Semester Credit Hours: 4,608
 Projected Semester Credit Hours: 4,608

	FY 2022 Budget	FY 2023 Budget without Increase	Proposed Increase	FY 2023 Budget with Increase
BEGINNING BALANCE - Actual Estimated	0			0
Revenues				
Fees	1,256,732	1,256,732	199,136	1,455,868
Total Revenues (net of exemptions)	1,256,732	1,256,732	199,136	1,455,868
Expenses				
Salaries & Wages	1,088,025	1,088,025	172,403	1,260,428
Fringe Benefits	80,213	80,213	12,710	92,923
Departmental Operations	88,494	88,494	14,022	102,516
Total Expenses	1,256,732	1,256,732	199,136	1,455,868
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

Request for Increased Student Fee
TEXAS A&M HEALTH SCIENCE CENTER
EnMed Program Fee
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

The vision of Engineering Medicine (EnMed) is to develop physicians who will be innovators and leaders in medicine and biomedical research and who will contribute to the transformation of medicine and healthcare in Texas and beyond. EnMed is a partnership between the College of Engineering (COE) and College of Medicine (COM) in collaboration with the state's top-ranked Houston Methodist Hospital. The mission of EnMed is to train a new type of physician, a "physicianeer". These individuals will be skilled in the science and practice of medicine and have the knowledge, skills and experience in engineering to develop new therapies, devices, algorithms, and diagnostic or treatment processes that lead to major advances in patient care.

EnMed utilizes a small group-teaching model. The small groups of 8-10 students require three teaching faculty per group – one basic science, one clinical, and one engineering. The faculty also assist the students with their inventions and help cultivate their ideas into reality.

EnMed just started its third and largest class of 49, bringing the total number of enrolled students to 108. EnMed plans to accept 50 highly qualified applicants per year going forward.

The program is taught in Houston at the newly renovated EnMed building. The building sits on TAMU land in the Texas Medical Center that is currently under development and will include a student housing building and mixed-use tower.

This increased program fee will help cover the added cost of personnel needed for this intensive curriculum which compresses two degrees into four years and promotes the development of medical technologies.

II. Public hearing and/or student referendum requirements

No student referendum or public hearing is required for this program fee.

III. Budget impact if fee request is not approved

It is paramount to have the EnMed Program Fee approved to meet the goals and objectives developed for EnMed. The increased fee revenue will compliment state funding generated through the formula. Formula funding for traditional medical students has decreased by 13.5% since 2011. The decline combined with a requirement for increasing the intensity of the curriculum and innovation student support is the basis for the requested increase. This is needed in order to ensure the success as a premier first of its kind simultaneous Doctor of Medicine and master's degree in engineering focused on the design and implementation of medical technologies in four years.

IV. Justification for ending balance

No significant balances are anticipated at the end of the fiscal year.

V. Additional information

Proposed program fee increases from \$10,000 to \$15,000 will apply only to incoming resident students and existing students would be grandfathered in. EnMed plans to accept 35 resident students per year. This increased fee will provide \$175,000 ($\$5,000 \times 35$) increase in revenue the first year and \$700,000 increase in revenue per year after 4 years (140 students).

EnMed plans to attract out of state and international students with its unique curriculum and focus. The class currently has several out of state students enrolled who are not on scholarship. We propose raising the program fee for out of state students to \$30,000 and international students to \$60,000. EnMed anticipates the recruitment of 10 out of state students and 5 international students per year. This increased fee will result in \$300,000 ($\$30,000 \times 10$) in out of state students and \$300,000 ($\$60,000 \times 5$) in international students in the first year and \$2,400,000 increase in revenue per year after 4 years (60 students). The non-resident and international fee increases will apply only to incoming students and existing students will be grandfathered in.

Request for Increased Student Fee
TEXAS A&M HEALTH SCIENCE CENTER
 EnMed Program Fee

Current Fee: \$10,000 for all students
 n/a for Summer
 Proposed Fee: \$15,000 Resident
 \$30,000 Out of State
 \$60,000 International
 n/a for Summer
 Basis: year (sch, sem, student, etc.)

Number of Students Affected: 50 (35 residents, 10 out of state, 5 international)

Current Semester Credit Hours:

Projected Semester Credit Hours:

	FY 2022 Budget	FY 2023 Budget without Increase	FY 2023 Proposed Resident	FY 2023 Proposed Out of State	FY 2023 Proposed International	FY 2023 Budget with Increase
BEGINNING BALANCE - Actual Estimated	0	0				0
Revenues						
Fees	1,080,000	1,580,000	175,000	300,000	300,000	2,355,000
Total Revenues	1,080,000	1,580,000	175,000	300,000	300,000	2,355,000
Expenses						
Salaries & Wages	1,080,000	1,580,000	175,000	300,000	300,000	2,355,000
Total Expenses	1,080,000	1,580,000	175,000	300,000	300,000	2,355,000
Increase/Decrease in Balance Revenues less Expenses	0	0	0	0	0	0
ENDING BALANCE	0	0	0	0	0	0

PRAIRIE VIEW A&M UNIVERSITY

Summary of Proposed Fee Changes

Effective Fall 2022

<u>PAGE</u>	<u>FEE DESCRIPTION</u>	<u>BASIS</u>	<u>CURRENT</u>	<u>INCREASE</u>	<u>PROPOSED</u>
5.2	Tuition & Fee Plans (variable and guaranteed) Increase the overall academic charge (tuition and fees) to a student choosing the one-year variable rate tuition and fee plan based on an inflationary adjustment of 2.7% The overall academic charge (tuition and fees) to a student choosing the guaranteed rate tuition and fee plan will be set at an amount equal to 2% greater than the one-year variable rate tuition and fee plan.				

SCH - Semester Credit Hour

SEM - Semester

Request for Increased Student Fee
PRAIRIE VIEW A&M UNIVERSITY
University Services Fee – One-Year Variable & Guaranteed Tuition Rate Plans
(Inflationary Adjustment)
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

PVAMU is requesting approval to implement the Inflationary Adjustment on the one-year variable rate. For guaranteed tuition, the rate will be calculated at 2.0% above the one-year variable rate. This increase, effective Fall 2020, will be applicable to the new incoming cohort only. 100% of the increase generated will be applied to the University Services Fee.

Revenue from the proposed increase will be used to support academic program enhancement and operations.

II. Public hearing and/or student referendum requirements

A public hearing and/or student referendum will be held prior to the November Board of Regents meeting.

III. Budget impact if fee request is not approved

If the increase is not approved, the University will lack the resources to provide essential learning software, tools, and equipment that is valuable to the success of the students.

IV. Justification for ending balance

Any ending balance will be used to offset costs that are currently funded by the University Services Fee.

V. Additional information

Request for Increased Student Fee
PRAIRIE VIEW A&M UNIVERSITY

Current Fee:	<u>Varies</u>	for Fall and Spring	*12 or more SCHs pay flat rate based on 15 SCHs; 1-11 SCHs pay per SCH rate
	<u>Varies</u>	for Summer	
Proposed Fee:	<u>Varies</u>	for Fall and Spring	
	<u>Varies</u>	for Summer	
Basis:	sch	(sch, sem, student, etc.)	

Number of Students Affected:	<u>3,286</u>
Current Semester Credit Hours:	<u> </u>
Projected Semester Credit Hours:	44,732

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual Estimated	0	1,042,174		1,042,174
Revenues				
Fees	23,481,717	23,481,717	501,246	23,982,963
Total Revenues	23,481,717	23,481,717	501,246	23,982,963
Expenses				
Salaries & Wages	7,389,039	7,642,246	61,200	7,703,446
Fringe Benefits	2,006,926	2,176,817	9,576	2,186,393
Utilities	136,772	200,000	0	200,000
Scholarships	1,440,219	1,528,000	70,000	1,598,000
Departmental Operations	8,677,576	8,892,552	265,470	9,158,022
Equipment	326,909	580,000	95,000	675,000
Debt Service	2,462,102	2,462,102	0	2,462,102
Total Expenses	22,439,543	23,481,717	501,246	23,982,963
Increase/Decrease in Balance				
Revenues less Expenses	1,042,174	0	0	0
ENDING BALANCE	1,042,174	1,042,174		1,042,174

TARLETON STATE UNIVERSITY

Summary of Proposed Fee Changes

Effective Fall 2022

<u>PAGE</u>	<u>FEE DESCRIPTION</u>	<u>BASIS</u>	<u>CURRENT</u>	<u>INCREASE</u>	<u>PROPOSED</u>
6.2	Tuition & Fee Plans (variable and guaranteed) Increase the overall academic charge (tuition and fees) to a student choosing the one-year variable rate tuition and fee plan based on an inflationary adjustment of 2.7%. The overall academic charge (tuition and fees) to a student choosing the guaranteed rate tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan. <u>In addition to the above inflationary adjustment, the following tuition and fee changes are being requested:</u>				
6.4	Differential Tuition College of Engineering	SCH	New		\$76.41
	*This proposed change is cost neutral to College of Engineering students. The recommendation proposes to combine the College of Science & Technology differential rate (\$13.75/SCH) and the program differential rate for engineering (\$62.66/SCH) into one College of Engineering Differential rate of \$76.41/SCH.				
6.5	University Services Fee	SCH	\$96.01	\$2.64	\$98.65
6.7	Student Center Facility Fee	SCH	\$3.96	(\$3.96)	\$0.00
	Fall & Spring Max (at 10 SCH's)	SEM	\$39.60	(\$39.60)	\$0.00
	Summer Max (at 5 SCH's)	SEM	\$19.80	(\$19.80)	\$0.00

SCH - Semester Credit Hour

SEM - Semester

Request for Increased Student Fee
TARLETON STATE UNIVERSITY
Proposed Increase to Designated and Differential Tuition (Inflationary Adjustment)
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

In 2021, we launched Tarleton Forward, our 2030 Strategic Plan, focused on becoming the premier comprehensive regional university in the nation. The proposed inflation adjustment to tuition and fees will allow us to continue to increase funds allocated to strategic initiatives while also meeting contractual obligations.

II. Public hearing and/or student referendum requirements

A public hearing was held on October 20, 2021, to discuss the proposed increase.

III. Budget impact if fee request is not approved

If the increase is not approved, funding will have to be diverted from strategic initiatives to cover contractual increases for things such as facilities maintenance, library databases and software.

IV. Justification for ending balance

No significant ending balance is anticipated.

V. Additional information

Request for Increased Student Fee
TARLETON STATE UNIVERSITY

Designated Tuition & Differential Tuition (Inflationary Adjustment)

Current Fee: varies for Fall and Spring
varies for Summer
Proposed Fee: varies for Fall and Spring
varies for Summer
Basis: sch (sch, sem, student, etc.)

Number of Students Affected: 2,000
Current Semester Credit Hours: 30,000
Projected Semester Credit Hours: 30,000

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual	3,800,000			
Estimated		3,932,359		3,932,359
Revenues				
Fees	50,082,269	50,082,269	250,000	50,332,269
Total Revenues	50,082,269	50,082,269	250,000	50,332,269
Expenses				
Salaries & Wages	14,688,078	14,688,078	75,000	14,763,078
Fringe Benefits	4,700,185	4,700,185	24,000	4,724,185
Departmental Operations	15,000,000	15,000,000	126,000	15,126,000
Equipment	2,000,000	2,000,000	0	2,000,000
Tuition Set-Asides	7,923,343	7,923,343	25,000	7,948,343
Debt Service	2,238,304	2,238,304	0	2,238,304
Scholarships	3,400,000	3,400,000	0	3,400,000
Total Expenses	49,949,910	49,949,910	250,000	50,199,910
Increase/Decrease in Balance				
Revenues less Expenses	132,359	132,359	0	132,359
ENDING BALANCE	3,932,359	132,359		132,359

Request for New Student Fee
TARLETON STATE UNIVERSITY
College of Engineering Differential Tuition
Effective Fall 2022

I. Programmatic justification and proposed use of the new fee

Currently, engineering students pay two tuition differentials: a college differential for the College of Science & Technology (COST) and a program differential for engineering programs. The proposed change does not alter what an engineering student pays, but creates one tuition differential for the newly formed College of Engineering.

The current college differential rate for COST is \$13.75/sch and the program differential rate for engineering is \$62.66/sch. The proposed rate for the College of Engineering is \$76.41/sch. The COST differential would remain at \$13.75/sch with engineering students no longer charged.

II. Public hearing and/or student referendum requirements

A public hearing was held on October 20, 2021, to discuss the proposed fee change.

III. Budget impact if fee request is not approved

This change is net neutral to the student and to total revenue.

IV. Justification for ending balance

No significant ending balance is anticipated.

V. Additional information

Request for Increased Student Fee
TARLETON STATE UNIVERSITY
University Services Fee (Inflationary Adjustment and elimination of Student Center Facility Fee)
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

As part of the move to NCAA Division I athletics, Tarleton is required to increase seating capacity for basketball. The proposed Convocation Center/Arena will also provide increased capacity for graduation, commencement and other university events. The proposed increase in University Services Fee of \$2.64/SCH, in addition to the Inflationary Adjustment, will be used to service debt and/or supplement operations of this new facility. The Student Center Facility Fee of \$3.96/SCH, capped at \$39.60/SEM fall and spring and \$19.80/SEM summer, will be eliminated if this request is approved.

II. Public hearing and/or student referendum requirements

A public hearing was held on October 20, 2021, to discuss the proposed increase.

III. Budget impact if fee request is not approved

If the fee increase is not approved, it will be extremely difficult to meet our commitment to increase basketball capacity. We will also need to continue to hold 8+ graduation ceremonies to accommodate all of our graduates and their families.

IV. Justification for ending balance

A sufficient ending balance is maintained to be used in emergency situations and for unforeseen expenses throughout the year.

V. Additional information

Request for Increased Student Fee
TARLETON STATE UNIVERSITY

University Services Fee

(Inflationary Adjustment and elimination of Student Center Facility Fee)

Current Fee:	<u>\$96.01</u>	for Fall and Spring
	<u>\$96.01</u>	for Summer
Proposed Fee:	<u>\$98.65</u>	for Fall and Spring
	<u>\$98.65</u>	for Summer
Basis:	<u>sch</u>	(sch, sem, student, etc.)

Number of Students Affected:	<u>6,208</u>
Current Semester Credit Hours:	<u>80,700</u>
Projected Semester Credit Hours:	<u>80,700</u>

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual Estimated	9,500,000	10,500,000		10,500,000
Revenues				
Fees	31,384,000	31,384,000	936,699	32,320,699
Total Revenues	31,384,000	31,384,000	936,699	32,320,699
Expenses				
Salaries & Wages	9,035,062	9,035,062	120,000	9,155,062
Fringe Benefits	289,122	289,122	38,400	327,522
Departmental Operations	18,605,873	18,605,873	0	18,605,873
Maintenance/Equipment	0	0	77,822	77,822
Equipment	1,000,000	1,000,000	0	1,000,000
Debt Service	1,453,943	1,453,943	700,477	2,154,420
Total Expenses	30,384,000	30,384,000	936,699	31,320,699
Increase/Decrease in Balance Revenues less Expenses	1,000,000	1,000,000	0	1,000,000
ENDING BALANCE	10,500,000	11,500,000		11,500,000

Request for Change to Student Fee
TARLETON STATE UNIVERSITY
Elimination of Student Center Facility Fee
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

Currently, Stephenville students pay a Student Center Facility Fee of \$3.96/SCH with a fall and spring max of \$39.60/SEM and summer max of \$19.80/SEM. Fee revenue is used for programming in the Thompson Student Center (TSC) including student engagement activities. As we emerge from the pandemic, we have learned that student engagement cannot be confined to a building, but happens across campus and virtually every day. University leadership strives to provide student engagement opportunities to all students at all learning sites, including online.

Since the Student Center Fee is not funding capital needs, we propose it be eliminated and offset by a small increase to the University Services Fee (USF). This will further simplify student billing. Many student engagement initiatives are already funded through USF. This change will be revenue neutral.

II. Public hearing and/or student referendum requirements

A public hearing was held on October 20, 2021, to discuss the proposed fee change.

III. Budget impact if fee request is not approved

This change does not impact revenue, but simplifies fee tables and provides more flexibility in funding sources.

IV. Justification for ending balance

No significant ending balance is anticipated.

V. Additional information

Request for Collapse of Fee
TARLETON STATE UNIVERSITY
Elimination of Student Center Facility Fee

LEGISLATIVE/INTERNAL MAXIMUM:

Current Fee:	<u>\$3.96</u>	for Fall and Spring	Current:	<u>\$39.60</u>	for Fall and Spring
	<u>\$3.96</u>	for Summer		<u>\$19.80</u>	for Summer
Proposed Fee:	<u>\$0.00</u>	for Fall and Spring	Proposed:	<u>\$0.00</u>	for Fall and Spring
	<u>\$0.00</u>	for Summer		<u>\$0.00</u>	for Summer
Basis:	<u>sch</u>	(sch, sem, student, etc.)			

Number of Students Affected:	<u>14,022</u>
Current Semester Credit Hours:	<u>182,740</u>
Projected Semester Credit Hours:	<u>338,551</u>

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual	0			
Estimated		0		0
Revenues				
Fees	723,651	723,651	(723,651)	0
Total Revenues	723,651	723,651	(723,651)	0
Expenses				
Salaries & Wages	120,000	120,000	(120,000)	0
Fringe Benefits	38,400	38,400	(38,400)	0
Departmental Operations	465,251	465,251	(465,251)	0
Maintenance/Equipment	100,000	100,000	(100,000)	0
Total Expenses	723,651	723,651	(723,651)	0
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

TEXAS A&M INTERNATIONAL UNIVERSITY

Summary of Proposed Fee Changes

Effective Fall 2022

<u>PAGE</u>	<u>FEE DESCRIPTION</u>	<u>BASIS</u>	<u>CURRENT</u>	<u>INCREASE</u>	<u>PROPOSED</u>
7.2	Tuition & Fee Plans (variable and guaranteed) - Undergraduate Students TAMIU - Fast Track! Full-Time Undergraduate Students taking 12 or more hours will pay a flat rate based on 15 SCHs.	SCH	No rate change for FY 2023		
7.3	University Services Fee - Graduate Students *University Services Fee will be increased by the Inflationary Adjustment for Graduate Students Only.	SCH	Varies		Varies

SCH - Semester Credit Hour

SEM - Semester

Request for New Tuition & Fee Policy
TEXAS A&M INTERNATIONAL UNIVERSITY
Flat Tuition & Fees Rate (TAMIU – Fast Track!)
Effective Fall 2022

I. Programmatic justification and proposed use of the new fee policy

This proposal for flat tuition & fee rates (TAMIU – Fast Track!) for full-time, undergraduate students aims to encourage students to take a 15 to 16 SCH load per semester. Under the Fast Track plan, students taking 12 or more SCHs will pay a flat rate based on 15 SCH's. This flat tuition and fee rate plan will improve graduation rates and time to degree and reduce student debt for those students who take 15 or more SCHs per semester. Students taking 15 SCH will see no increase over the current year's tuition and fees while those taking 16 or more SCHs will see a decrease.

II. Public hearing and/or student referendum requirements

The Student Fee Advisory Committee met during the fall semester to discuss proposed fee increases and the committee supports the proposed flat rate fee. Student hearings were held on October 12 – 14, 2021, where the proposal was presented to all students.

III. Budget impact if fee request is not approved

If this proposal is not approved, TAMIU will maintain its traditional increasing cost per full-time credit hour model which could hamper its plans for improving graduation rates and time to degree.

IV. Justification for ending balance

No significant ending balance is anticipated.

V. Additional information

Request for Increased Student Fee
TEXAS A&M INTERNATIONAL UNIVERSITY
University Service Fee (USF) – Graduate Students Only
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

This proposed fee increase equal to the Inflationary Adjustment will provide additional funding for new graduate assistant positions for research and teaching.

II. Public hearing and/or student referendum requirements

The Student Fee Advisory Committee met during the fall semester to discuss proposed fee increases and the committee supports the fee increase. Student hearings are scheduled for October 12 – 14, 2021, where the proposed fee increase will be presented.

III. Budget impact if fee request is not approved

If this fee increase is not approved, TAMU will not be able to support the demand for more graduate assistant positions as graduate programs grow.

IV. Justification for ending balance

No significant unexpended balances are anticipated.

V. Additional information

TEXAS A&M INTERNATIONAL UNIVERSITY

<u>Varies</u>	for Fall and Spring
<u>Varies</u>	for Summer
<u>Varies</u>	for Fall and Spring
<u>Varies</u>	for Summer
sch	(sch, sem, student,

Number of Students Affected:	1,146
Current Semester Credit Hours:	7,368
Projected Semester Credit Hours:	7,400

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual Estimated	0	0		0
Revenues				
Fees	18,672,061	18,672,061	75,062	18,747,123
Total Revenues	18,672,061	18,672,061	75,062	18,747,123
Expenses				
Salaries & Wages	5,878,120	5,878,120	69,501	5,947,621
Fringe Benefits	1,108,346	1,108,346	5,561	1,113,907
Departmental Operations	5,731,577	5,731,577	0	5,731,577
Travel	60,943	60,943	0	60,943
Utilities	2,066,000	2,066,000	0	2,066,000
Maintenance/Equipment	1,822,472	1,822,472	0	1,822,472
Scholarships	210,500	210,500	0	210,500
Equipment	1,190,565	1,190,565	0	1,190,565
Debt Service	603,538	603,538	0	603,538
Total Expenses	18,672,061	18,672,061	75,062	18,747,123
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

TEXAS A&M UNIVERSITY-CENTRAL TEXAS

Summary of Proposed Fee Changes

Effective Fall 2022

<u>PAGE</u>	<u>FEE DESCRIPTION</u>	<u>BASIS</u>	<u>CURRENT</u>	<u>INCREASE</u>	<u>PROPOSED</u>
8.2	Tuition & Fee Plans (variable and guaranteed) Increase the overall academic charge (tuition and fees) to a student choosing the one-year variable rate tuition and fee plan based on an inflationary adjustment of 2.7%. The overall academic charge (tuition and fees) to a student choosing the guaranteed rate tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan.				

SCH - Semester Credit Hour

SEM - Semester

Request for Increased Student Fee
TEXAS A&M UNIVERSITY-CENTRAL TEXAS
Designated Tuition – All Tuition and Fee Plans (Inflationary Adjustment)
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

Texas A&M University- Central Texas requests an increase in Designated Tuition for the variable rate for all students. The increase will be based on the board approved Inflationary Adjustment for FY 2023.

The overall academic charge (tuition and fees) to a full-time student choosing the guaranteed rate tuition and fee plan will continue to be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan as increased by the board approved inflation rate for FY 2023.

II. Public hearing and/or student referendum requirements

A student fee hearing will be held prior on November 1, 2021, to discuss the proposed increase.

III. Budget impact if fee request is not approved

The revenue generated from the increase is critical to meet the inflationary demands to stay current in operations and provide necessary services/programs to students. Without this additional revenue, services/programs to students and operations will be negatively impacted and may be curtailed.

IV. Justification for ending balance

No significant ending balance anticipated.

V. Additional information

Request for Increased Student Fee
TEXAS A&M UNIVERSITY-CENTRAL TEXAS
 Designated Tuition - All Tuition and Fee Plans (Inflationary Adjustment)

Current Fee: varies for Fall and Spring
varies for Summer
 Proposed Fee: varies for Fall and Spring
varies for Summer
 Basis: sch (sch, sem, student, etc.)

Number of Students Affected: 720
 Current Semester Credit Hours: 48,471
 Projected Semester Credit Hours: 48,500

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual Estimated	0	0		0
Revenues				
Fees	8,861,275	8,861,275	239,254	9,100,529
Total Revenues	8,861,275	8,861,275	239,254	9,100,529
Expenses				
Salaries & Wages	4,976,132	4,976,132	131,590	5,107,722
Fringe Benefits	1,294,929	1,294,929	42,109	1,337,038
Departmental Operations	2,555,214	2,555,214	40,195	2,595,409
Equipment	20,000	20,000	25,361	45,361
Scholarships	15,000	15,000	0	15,000
Total Expenses	8,861,275	8,861,275	239,255	9,100,530
Increase/Decrease in Balance				
Revenues less Expenses	0	0	(0)	(0)
ENDING BALANCE	0	0		(0)

TEXAS A&M UNIVERSITY - COMMERCE

Summary of Proposed Fee Changes

Effective Fall 2022

<u>PAGE</u>	<u>FEE DESCRIPTION</u>	<u>BASIS</u>	<u>CURRENT</u>	<u>INCREASE</u>	<u>PROPOSED</u>
9.2	Tuition & Fee Plans (variable and guaranteed) Increase the overall academic charge (tuition and fees) to a student choosing the one-year variable rate tuition and fee plan based on an inflationary adjustment of 2.7%. The overall academic charge (tuition and fees) to a student choosing the guaranteed rate tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan.				

SCH - Semester Credit Hour

SEM - Semester

Request for Increased Student Fee
TEXAS A&M UNIVERSITY – COMMERCE
Designated Tuition (Optional Rate and Guaranteed Plans)
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

Texas A&M - Commerce plans to apply the Board-approved Inflationary Adjustment to Designated Tuition. The increase will be used to support program development, provide scholarships to our students, increase services to students, enhance technology, retain high-quality faculty and staff, fund facilities improvements, and support the additional priorities of the institution.

II. Public hearing and/or student referendum requirements

The proposed fee changes were presented at an open forum on October 14, 2021. The purpose of the forum was to provide information and solicit input from students, faculty, staff and other members of the university community on the proposed changes.

III. Budget impact if fee request is not approved

If the increase is not approved, the ability of the university to enhance programs and retain high quality faculty and staff will be affected negatively.

IV. Justification for ending balance

No significant ending balance is expected.

V. Additional information

Request for Increased Tuition
TEXAS A&M UNIVERSITY - COMMERCE
 Designated Tuition (Inflationary Adjustment)

Current Tuition: \$109.68 for Fall and Spring
 \$109.68 for Summer
 Proposed Tuition: \$118.70 for Fall and Spring
 \$118.70 for Summer
 Basis: sch (sch, sem, student, etc.)

Number of Students Affected: 6,000
 Current Semester Credit Hours: 155,000
 Projected Semester Credit Hours: 155,000

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual	0			
Estimated		0		0
Revenues				
Designated Tuition	24,050,000	24,050,000	1,400,000	25,450,000
Total Revenues	24,050,000	24,050,000	1,400,000	25,450,000
Expenses				
Salaries & Wages	8,500,000	8,500,000	800,000	9,300,000
Fringe Benefits	2,550,000	2,550,000	207,000	2,757,000
Bad Debt	480,000	480,000	28,000	508,000
Set-Aside Scholarships	3,000,000	3,000,000	210,000	3,210,000
Operations & Maintenance	5,500,000	5,500,000	55,000	5,555,000
Utilities	1,700,000	1,700,000	0	1,700,000
Equipment (Capitalized)	500,000	500,000	0	500,000
Deferred Maintenance	0	0	100,000	100,000
Athletic Support	1,820,000	1,820,000	0	1,820,000
Total Expenses	24,050,000	24,050,000	1,400,000	25,450,000
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

TEXAS A&M UNIVERSITY - CORPUS CHRISTI

Summary of Proposed Fee Changes

Effective Fall 2022

<u>PAGE</u>	<u>FEE DESCRIPTION</u>	<u>BASIS</u>	<u>CURRENT</u>	<u>INCREASE</u>	<u>PROPOSED</u>
10.2	Tuition & Fee Plans (variable and guaranteed) Increase the overall academic charge (tuition and fees) to a student choosing the one-year variable rate tuition and fee plan based on an inflationary adjustment of 2.7%. The overall academic charge (tuition and fees) to a student choosing the guaranteed rate tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan.				

SCH - Semester Credit Hour

SEM - Semester

A Request for Increased Student Fee
TEXAS A&M UNIVERSITY – CORPUS CHRISTI
Designated Tuition & University Services Fee (Inflationary Adjustment)
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

Texas A&M University – Corpus Christi proposes an inflationary increase of 2.7% which will be allocated between Designated Tuition and University Services Fee. This increase will be used to enhance the university's mission of instruction and research, as well as general support services.

II. Public hearing and/or student referendum requirements

The university held a public hearing to discuss the proposed tuition & fee changes on October 27, 2021.

III. Budget impact if fee request is not approved

Without an inflationary adjustment, the university's operational budget will be negatively impacted due to the rising costs for labor, materials, and supplies.

IV. Justification for ending balance

There are no significant ending balances predicted.

V. Additional information

Request for Increased Student Fee
TEXAS A&M UNIVERSITY - CORPUS CHRISTI
 Designated Tuition (Inflationary Adjustment)

Current Fee: Varies for Fall and Spring
 Varies for Summer
 Proposed Fee: Varies for Fall and Spring
 Varies for Summer
 Basis: sch (sch, sem, student, etc.)

Number of Students Affected: 6,574
 Current Semester Credit Hours: 278,278
 Projected Semester Credit Hours: 278,278

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual Estimated				
Revenues				
Tuition	36,300,649	36,300,649	980,118	37,280,767
Exemptions	(3,424,749)	(3,424,749)	(98,012)	(3,522,761)
Total Revenues	32,875,900	32,875,900	882,106	33,758,006
Expenses				
Salaries & Wages	17,859,742	17,859,742	479,202	18,338,944
Fringe Benefits	4,608,702	4,608,702	123,658	4,732,360
Departmental Operations	6,192,331	6,192,331	166,149	6,358,480
Travel	515,580	515,580	13,834	529,414
Equipment	4,396	4,396	118	4,514
Scholarships	3,691,338	3,691,338	99,044	3,790,382
Utilities	3,811	3,811	102	3,913
Total Expenses	32,875,900	32,875,900	882,106	33,758,006
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

Request for Increased Student Fee
TEXAS A&M UNIVERSITY - CORPUS CHRISTI
University Service Fee (Inflationary Adjustment)

Current Fee: Varies for Fall and Spring
 Varies for Summer
Proposed Fee: Varies for Fall and Spring
 Varies for Summer
Basis: sch (sch, sem, student, etc.)

Number of Students Affected: 6,574
Current Semester Credit Hours: 278,278
Projected Semester Credit Hours: 278,278

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual Estimated				
Revenues				
Tuition & Fees	33,919,066	33,919,066	915,815	34,834,881
Exemptions	(2,948,374)	(2,948,374)	(79,676)	(3,028,050)
Total Revenues	30,970,692	30,970,692	836,139	31,806,831
Expenses				
Salaries & Wages	9,007,237	9,007,237	243,175	9,250,412
Fringe Benefits	2,574,975	2,574,975	69,519	2,644,494
Departmental Operations	14,630,194	14,630,194	394,982	15,025,176
Maintenance	517,568	517,568	13,973	531,541
Equipment	89,000	89,000	2,403	91,403
Travel	308,144	308,144	8,319	316,463
Utilities	2,439,595	2,439,595	65,864	2,505,459
Scholarships	1,403,979	1,403,979	37,904	1,441,883
Total Expenses	30,970,692	30,970,692	836,139	31,806,831
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

TEXAS A&M UNIVERSITY - KINGSVILLE

Summary of Proposed Fee Changes

Effective Fall 2022

<u>PAGE</u>	<u>FEE DESCRIPTION</u>	<u>BASIS</u>	<u>CURRENT</u>	<u>INCREASE</u>	<u>PROPOSED</u>
11.2	Tuition & Fee Plans (variable and guaranteed) Increase the overall academic charge (tuition and fees) to a student choosing the one-year variable rate tuition and fee plan based on an inflationary adjustment of 2.7% The overall academic charge (tuition and fees) to a student choosing the guaranteed rate tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan.				

SCH - Semester Credit Hour

SEM - Semester

Request for Increased Student Fee
TEXAS A&M UNIVERSITY – KINGSVILLE
Designated Tuition & University Services Fee – Guaranteed Plan (Inflationary Adjustment)
Effective Fall 2022

I. Programmatic justification and proposed use of the new fee

The Inflationary Adjustment will be applied in the same manner as previous years, up to the one-year variable rate increase and assessed as an increase in the University Service Fee. The guaranteed rate increase of 5% over the one-year variable rate assessed as the University Services Fee will be applied to Designated Tuition. Revenue from the increased fee will be used to cover increased costs due to inflation across university operations and scholarships relative to the increase in cost of attendance. Total estimated revenue from the Inflationary Adjustment is based on an average of \$127.19 per 15 semester credit hour load applied to individuals falling under the one-year variable rate plan. The guaranteed rate increase estimated at \$133.60 per 15 semester credit hour load will be assessed at \$127.19 in the University Services Fee and \$6.41 assessed in the Designated Tuition.

II. Public hearing and/or student referendum requirements

A public hearing was held on October 4, 2021 to discuss the proposed fee increase as required by System Policy 26.01.

III. Budget impact if fee request is not approved

Texas A&M University – Kingsville is committed to meeting the educational needs of Texas. If the fee is not approved, and as university expenses increase, the University will need to consider reductions in personnel and operations. The University has been able, in the past few years, due to the HEERF awarded by the Federal government, to cover rising costs and declining revenue associated with the COVID-19 pandemic.

IV. Justification for ending balance

Ending balances will be used as a reserve for meeting future operational costs.

V. Additional information

Request for Increased Student Fee
TEXAS A&M UNIVERSITY - KINGSVILLE
 Designated Tuition (Inflationary Adjustment)

Current Fee: varies for Fall and Spring
varies for Summer
 Proposed Fee: varies for Fall and Spring
varies for Summer
 Basis: sch (sch, sem, student, etc.)

Number of Students Affected: 938
 Current Semester Credit Hours: 13,000
 Projected Semester Credit Hours: 13,000

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual	0			
Estimated	2,362,200	2,362,200		2,362,200
Revenues				
Fees	15,726,050	18,500,000	156,000	18,656,000
Interest	1,500,000	1,500,000	0	1,500,000
HEERF III	3,610,361	0	0	0
Total Revenues	20,836,411	20,000,000	156,000	20,156,000
Expenses				
Salaries & Wages	6,368,021	6,559,062	0	6,559,062
Fringe Benefits	698,506	698,506	0	698,506
Departmental Operations	5,953,472	6,072,541	132,600	6,205,141
Scholarships & Set-Asides	3,363,418	3,363,418	23,400	3,386,818
Athletic Operations	4,452,994	0		0
Total Expenses	20,836,411	16,693,527	156,000	16,849,527
Increase/Decrease in Balance				
Revenues less Expenses	0	3,306,473	0	3,306,473
ENDING BALANCE	2,362,200	5,668,673		5,668,673

Request for Increased Student Fee
TEXAS A&M UNIVERSITY - KINGSVILLE
University Services Fee (Inflationary Adjustment)

Current Fee: varies for Fall and Spring
 varies for Summer
Proposed Fee: varies for Fall and Spring
 varies for Summer
Basis: sch (sch, sem, student, etc.)

Number of Students Affected: 3,500
Current Semester Credit Hours: 38,600
Projected Semester Credit Hours: 38,600

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual Estimated	13,535,019	13,535,019		13,535,019
Revenues				
Designated Tuition	13,727,040	15,750,000	762,500	16,512,500
HEERF III- (Other)	1,975,368	0	0	0
Total Revenues	15,702,408	15,750,000	762,500	16,512,500
Expenses				
Salaries & Wages	4,159,359	4,284,140	0	4,284,140
Fringe Benefits	1,136,291	1,136,291	0	1,136,291
Departmental Operations	10,353,788	10,560,864	400,000	10,960,864
Scholarships - (Other)	52,970	52,970	0	52,970
Total Expenses	15,702,408	16,034,265	400,000	16,434,265
Increase/Decrease in Balance Revenues less Expenses	0	(284,265)	362,500	78,235
ENDING BALANCE	13,535,019	13,250,754		13,613,254

TEXAS A&M UNIVERSITY - SAN ANTONIO

Summary of Proposed Fee Changes

Effective Fall 2022

<u>PAGE</u>	<u>FEE DESCRIPTION</u>	<u>BASIS</u>	<u>CURRENT</u>	<u>INCREASE</u>	<u>PROPOSED</u>
12.2	<p>Tuition & Fee Plans (variable and guaranteed)</p> <p>Increase the overall academic charge (tuition and fees) to a student choosing the one-year variable rate tuition and fee plan based on an inflationary adjustment of 2.7%.</p> <p>The overall academic charge (tuition and fees) to a student choosing the guaranteed rate tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan.</p> <p><u>In addition to the above inflationary adjustment, the following tuition and fee changes are being requested:</u></p>				
12.7	Executive MBA Professional Program Fee	STUDENT	New		\$26,000.00
12.10	Student Center Facility Fee				
	Fall & Spring	SEM	New		\$100.00
	Summer	SEM	New		\$50.00
	*Pending student referendum to be held in the Spring 2022 Semester.				
12.12	Athletic Fee				
	Athletic Fee FY 2023 (Fall 2022)	SCH	\$10.00	\$0.50	\$10.50
	Fall, Spring & Summer Max	SEM	\$120.00	\$6.00	\$126.00
	Athletic Fee FY 2024 (Fall 2023)	SCH	\$10.50	\$0.53	\$11.03
	Fall, Spring & Summer Max	SEM	\$126.00	\$6.30	\$132.30
	*Approved via Student Government vote, October 19, 2021.				

SCH - Semester Credit Hour

SEM - Semester

Request for Increased Student Fee
TEXAS A&M UNIVERSITY – SAN ANTONIO
Designated Tuition – Tuition & Fee Plans (Inflationary Adjustment)
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

Texas A&M University–San Antonio (TAMU-SA) is requesting an increase to the total One-year Optional Variable Tuition & Fee rates equal to the Inflationary Adjustment. The Guaranteed Tuition & Fee rates will be set at an amount equal to 5% greater than the variable rate. The proposed increases will be allocated between Designated Tuition and the University Services Fee.

II. Public hearing and/or student referendum requirements

A public hearing will be held on October 27, 2021 to discuss the proposed increase with students.

III. Budget impact if fee request is not approved

If the increase is not approved, the University will not be able to support the level of projected growth in enrollment.

IV. Justification for ending balance

Our fund balance in designated funds for FY 2022 is projected at a reduction to fund balance of \$2.9 million. Without the increase in designated tuition, our fund balance will continue to decrease.

V. Additional information

Request for Increased Student Fee
TEXAS A&M UNIVERSITY - SAN ANTONIO
 Designated Tuition - One-Year Variable Rate Plan (Inflationary Adjustment)

			LEGISLATIVE/INTERNAL MAXIMUM:		
Current Fee:	<u>Varies</u>	for Fall and Spring	Current:	<u>\$1,604.17</u>	for Fall and Spring
	<u>Varies</u>	for Summer		<u>\$1,604.17</u>	for Summer
Proposed Fee:	<u>Varies</u>	for Fall and Spring	Proposed:	<u>\$1,631.41</u>	for Fall and Spring
	<u>Varies</u>	for Summer		<u>\$1,631.41</u>	for Summer
Basis:	<u>sch</u>	(sch, sem, student, etc.)			

Number of Students Affected:	<u>4,263</u>
Current Semester Credit Hours:	<u>98,279</u>
Projected Semester Credit Hours:	<u>98,279</u>

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual Estimated	15,118,620	12,367,808		12,367,808
Revenues				
Gross Tuition	14,835,477	10,384,834	176,342	10,561,176
Set Asides	(1,635,450)	(1,144,815)	(22,924)	(1,167,740)
Waivers and Exemptions	(1,335,193)	(934,635)	(15,871)	(950,506)
Total Revenues	11,864,834	8,305,384	137,547	8,442,931
Expenses				
Salaries & Wages	3,914,098	2,034,869	(442,848)	1,592,021
Fringe Benefits	698,791	279,154	(163,263)	115,891
Departmental Operations	8,913,286	6,239,300	0	6,239,300
Travel	671,481	470,036	0	470,036
Equipment	5,664	3,965	0	3,965
Scholarships	412,326	0	0	0
Total Expenses	14,615,646	9,027,325	(606,111)	8,421,214
Increase/Decrease in Balance Revenues less Expenses	(2,750,812)	(721,941)	743,658	21,717
ENDING BALANCE	12,367,808	11,645,867		12,389,525

Request for Increased Student Fee
TEXAS A&M UNIVERSITY - SAN ANTONIO
 Designated Tuition - Guaranteed Plan (Inflationary Adjustment)

			LEGISLATIVE/INTERNAL MAXIMUM:		
Current Fee:	<u>Varies</u>	for Fall and Spring	Current:	<u>\$1,831.40</u>	for Fall and Spring
	<u>Varies</u>	for Summer		<u>\$1,831.40</u>	for Summer
Proposed Fee:	<u>Varies</u>	for Fall and Spring	Proposed:	<u>\$1,864.88</u>	for Fall and Spring
	<u>Varies</u>	for Summer		<u>\$1,864.88</u>	for Summer
Basis:	<u>sch</u>	(sch, sem, student, etc.)			

Number of Students Affected:	<u>1,827</u>
Current Semester Credit Hours:	<u>42,120</u>
Projected Semester Credit Hours:	<u>42,120</u>

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual	0			
Estimated		0		0
Revenues				
Tuition	0	4,857,300	88,797	4,946,096
Set Asides	0	(539,159)	(11,544)	(550,703)
Waivers and Exemptions	0	(437,157)	(7,992)	(445,149)
Total Revenues	0	3,880,983	69,261	3,950,245
Expenses				
Salaries & Wages	0	1,281,519	0	1,281,519
Fringe Benefits	0	228,792	0	228,792
Departmental Operations	0	2,082,309	0	2,082,309
Travel	0	219,850	0	219,850
Equipment	0	1,855	0	1,855
Scholarships	0	135,000	0	135,000
Total Expenses	0	3,949,325	0	3,949,325
Increase/Decrease in Balance				
Revenues less Expenses	0	(68,342)	69,261	920
ENDING BALANCE	0	(68,342)		920

Request for Increased Student Fee
TEXAS A&M UNIVERSITY – SAN ANTONIO
University Services Fee (Inflationary Adjustment)
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

Texas A&M University–San Antonio (TAMU-SA) is requesting an increase to the total Variable Tuition & Fee Plan at the Inflationary Adjustment rate. The Guaranteed Tuition & Fee rates will be set at an amount equal to 5% greater than the variable rate. University Services Fee will be consistent across variable, guaranteed, resident, non-resident, and graduate. The proposed increase will be allocated between Designated Tuition and University Services Fee.

II. Public hearing and/or student referendum requirements

A public hearing was held on October 27, 2021, to discuss the proposed increase with students.

III. Budget impact if fee request is not approved

If the increase is not approved, the University will not be able to support the level of projected growth in enrollment.

IV. Justification for ending balance

Our fund balance in designated funds for FY 22 is projected at a reduction to fund balance of \$2.9 million. Without the increase in designated tuition, our fund balance will continue to decrease.

V. Additional information

Request for Increased Student Fee
TEXAS A&M UNIVERSITY - SAN ANTONIO
 University Services Fee - One-Year Variable Rate Plan (Inflationary Adjustment)

LEGISLATIVE/INTERNAL MAXIMUM:

Current Fee:	<u>Varies</u>	for Fall and Spring	Current:	<u>\$1,819.60</u>	for Fall and Spring
	<u>Varies</u>	for Summer		<u>\$1,819.60</u>	for Summer
Proposed Fee:	<u>Varies</u>	for Fall and Spring	Proposed:	<u>\$1,915.13</u>	for Fall and Spring
	<u>Varies</u>	for Summer		<u>\$1,915.13</u>	for Summer
Basis:	<u>sch</u>	(sch, sem, student, etc.)			

Number of Students Affected:	<u>42,636</u>
Current Semester Credit Hours:	<u>99,383</u>
Projected Semester Credit Hours:	<u>99,383</u>

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual Estimated	12,578,243	11,762,243		11,762,243
Revenues				
Fees	18,862,144	18,862,144	990,273	19,852,417
Exemptions and Waivers	(1,697,593)	(1,697,593)	(89,125)	(1,786,718)
Total Revenues	<u>17,164,551</u>	<u>17,164,551</u>	<u>901,148</u>	<u>18,065,699</u>
Expenses				
Salaries & Wages	8,426,318	8,426,318	693,191	9,119,509
Fringe Benefits	2,494,743	2,494,743	207,957	2,702,700
Departmental Operations	5,739,140	5,739,140	0	5,739,140
Travel	291,102	291,102	0	291,102
Equipment	138,660	138,660	0	138,660
Longevity	74,588	74,588	0	74,588
Debt	816,000	0	0	0
Total Expenses	<u>17,980,551</u>	<u>17,164,551</u>	<u>901,148</u>	<u>18,065,699</u>
Increase/Decrease in Balance Revenues less Expenses	(816,000)	0	0	0
ENDING BALANCE	<u>11,762,243</u>	<u>11,762,243</u>		<u>11,762,243</u>

Request for New Student Fee
TEXAS A&M UNIVERSITY – SAN ANTONIO
Executive MBA Program fee
Effective Fall 2022

I. Programmatic justification and proposed use of the new fee

Background:

The restructured offshoot of the current MBA program will be a cohort-based Executive Master of Business Administration program. The program will offer classes onsite (Monday/Wednesday: 6:00 pm to 9:30 p.m.) & synchronous online (Friday). This structure is designed to accommodate both undergraduate students with direct entry into the program as well as working professionals. The program prepares students for management and leadership positions.

Prior to the start of classes an initial start-up program comprising business essentials (in economics, statistics, and accounting) will be offered. Test modules will be taken by the students after completing the week of business essentials. Orientation follows in the week after, with classes in Basic Excel, Advanced Excel, speakers, and culminates in a welcome dinner. At the dinner students will be placed in teams of 5 or 6 members, depending on cohort size. The program structure is modular with three 12-week terms followed by a two-week international business and cultural experience with visits to two countries. Additionally, the program includes four professional development modules or PDMs (team building, career skills, business etiquette, and cultural immersion/training). These modules will be offered on Saturdays. As a professional program, all aspects of the program activities are organized, supported and paid for by the program. As the program also accommodates working professionals with a full-time job and family, we will provide all the logistics and support for their education. The total credit hours to graduate are shown below.

Course: 30 Credit Hours

PDMs: 02 Credit Hours

Required: 32 Credit Hours

Internship: 06 Credit Hours (Optional)

Total Possible: 38 Credit Hours

Executive MBA Program Fee: The total program cost for the cohort-based MBA will be \$26,000.00, which include fees and textbooks. This fee will be used to pay for the following expenses:

Program Materials: All ebooks.

Graduate Faculty: Cover current graduate faculty pay, and in some cases, hire graduate faculty to teach the courses.

Director of Masters Programs: The Director has been hired and will be dedicated to ensuring the success of this program.

Two-Week International Business Experience: Students will have the opportunity to visit businesses in two countries over a two-week period. They will also experience cultural events that will increase their knowledge of interactions with other cultures in the workplace.

Four Professional Development Modules: Students will be provided four modules: (1) Team Building, (2) Career Development, (3) Business Etiquette, and (4) Cultural immersion.

Justification: This fee will be utilized to cover all direct expenses associated with the MBA program. This is a self-funded cohort-based Executive MBA program focused on both working professionals as well as students who recently completed undergraduate degrees. As such, the college is NOT able to provide the services listed above including the supportive environment provided to students without the overall program cost of \$26,000.00. We are working with San Antonio businesses to provide students with competitive paid internships that range in compensation from \$20,000.00 - \$30,000.00 to offset the cost of the program fee of \$26,000.00

II. Public hearing and/or student referendum requirements

We propose that the Executive Master of Business Administration program costs of \$26,000.00 be assessed beginning Fall 2022. This program cost will be presented to current students for their input according with University and System regulation. The proposed fee and total cost of the Executive MBA program will clearly be provided in writing to students applying for the Executive MBA program in Fall 2022. In addition, this new fee will be discussed in the College of Business meeting with students on September 21, 2021

III. Budget impact if fee request is not approved

If the Executive MBA Program Fee is not approved it will negatively effect our MBA enrollment.

IV. Justification for ending balance

Any ending balance will be used to fund the initial costs of the next MBA cohort.

V. Additional information

Degree Program	Current Total Cost of the MBA program 2021-2022	Proposed Total Cost of the Program including the proposed increase in Program Fees
Master of Business Administration at Texas A&M-San Antonio	In-State: ~ \$10,357.50 Out-of-State: ~ 24,786.14	All: \$26,000
Comparable Professional Degrees		
	University of Texas at Austin Evening MBA	\$52,550
	Rice University Professional MBA	\$109,930
	Texas A&M University Professional MBA	\$110,000

Data from respective University websites as of September 2021

Request for New Student Fee
TEXAS A&M UNIVERSITY - SAN ANTONIO
 Executive Masters of Business Administration (MBA) Program Fee

Proposed Fee: \$26,000.00 for Fall and Spring
 \$0.00 for Summer
 Basis: student (sch, sem, student, etc.)

Number of Students Affected: 40-50
 Projected Student Enrollment: 40-50
 Projected Semester Credit Hours:

	FY 2023 Budget
BEGINNING BALANCE	0
Revenues	
Fees	1,040,000
Total Revenues	1,040,000
Expenses	
Salaries & Wages	344,220
Benefits	103,266
Departmental Operations	17,000
Equipment	20,000
Branding & Marketing	50,000
eBooks	52,000
Two-Week International Experience	100,000
Total Expenses	686,486
Increase/Decrease in Balance (Revenues less Expenses)	353,514
ENDING BALANCE	353,514

Request for New Student Fee
TEXAS A&M UNIVERSITY – SAN ANTONIO
Student Center Facility Fee
Effective Fall 2022

I. Programmatic justification and proposed use of the new fee

Student Success and Engagement recommends establishing a Student Union/Student Center Facility Fee starting in Fall 2022 to build funds that will help establish a facility to meet the need for a student centric space on campus.

The Student Union/Student Center Facility Fee will raise the capital required to build a facility that is student centered, provides space for the clubs and organizations, programming, and auxiliary services. Once the new fee revenue is collected for two years, the university will seek bonds to build a facility that the established fee will maintain via the collected fee, revenue generated from facility rentals, and auxiliary services agreements.

The fee would be implemented on September 1, 2022 for all students with proposed construction to begin in Summer 2024, with estimated completion/opening by August 2026.

II. Public hearing and/or student referendum requirements

A public hearing will be held on October 27, 2021, to discuss the proposed increase with students. A student referendum will be held in the Spring 2022 Semester for students to vote on the proposed fee.

III. Budget impact if fee request is not approved

If the new fee is not approved, building a student union will continue to be delayed.

IV. Justification for ending balance

The ending balance generated from the fee at the end of FY 2023 will be used to begin programming and design.

V. Additional information

Request for Increased Student Fee
TEXAS A&M UNIVERSITY – SAN ANTONIO
Athletic Fee - FY 2023 & FY 2024
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

Texas A&M University–San Antonio (TAMU-SA) is requesting an increase in the Athletics Fee of 5% for FY 2023 and an additional 5% for FY 2024. The current fee is \$10.00/SCH with a cap at \$120/SEM. The fee will increase to \$10.50/SCH with a cap at \$126/SEM for FY 2023 and increase an additional 5% to \$11.03/SCH with a cap at \$132.30/SEM for FY 2024. As per the Texas Education Code, a 5% increase per year can be approved with a majority vote of the student government.

Section 54.53971 - Intercollegiate Athletics Fees; Texas A&M University-San Antonio

c) The amount of the fee per semester credit hour may be increased from one academic year to the next only if approved by a majority vote of the students participating in a general student election held for that purpose or, if the amount of the increase does not exceed five percent, by a majority vote of the legislative body of the student government of the university.

The increase in the Athletic Fee will help the athletics department meet the National Association of Intercollegiate Athletics (NAIA) requirements for active membership. The NAIA states that active members must sponsor and participate in NAIA approved postseason in a minimum of six NAIA championship sports no later than the beginning of the fourth full academic year of active NAIA membership. Active membership began in fall 2021; we are currently sponsoring four sports (softball, men's golf, men's soccer, and women's soccer). Per NAIA rules, we need to sponsor two more sports by the start of fall 2024 (FY25). The current funding model of \$10 per credit hour, with a semester max of 12 SCH's, supports the four sports we currently sponsor, but will not financially support future sports, which could have jeopardize our NAIA membership.

II. Public hearing and/or student referendum requirements

A public hearing was held on October 27, 2021, to discuss the proposed increase with students. The increase, to be implemented over two years, was approved by Student Body Government vote on October 19, 2021.

III. Budget impact if fee request is not approved

If the increase is not approved, the University will not be able to expand its athletics program.

IV. Justification for ending balance

There will be no impact to fund balance with as the increase will be used to cover additional coach expenses.

V. Additional information

Request for Increased Student Fee
TEXAS A&M UNIVERSITY - SAN ANTONIO
Athletic Fee FY - 2023 (Fall 2022)

LEGISLATIVE/INTERNAL MAXIMUM:

Current Fee: \$10.00 for Fall and Spring
 \$10.00 for Summer
Proposed Fee: \$10.50 for Fall and Spring
 \$10.50 for Summer
Basis: sch (sch, sem, student, etc.)

Current: \$120.00 for Fall and Spring
 \$120.00 for Summer
Proposed: \$126.00 for Fall and Spring
 \$126.00 for Summer

Number of Students Affected: 6,827
Current Semester Credit Hours: 151,089
Projected Semester Credit Hours: 151,089

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual Estimated	2,775	2,775		2,775
Revenues				
Gross Fees	1,454,418	1,454,418	72,721	1,527,138
Exemptions and Waivers	(130,898)	(130,898)	(6,545)	(137,442)
Total Revenues	1,323,520	1,323,520	66,176	1,389,696
Expenses				
Salaries & Wages	575,617	575,617	40,000	615,617
Fringe Benefits	148,346	148,346	19,853	168,199
Departmental Operations	448,112	448,112	6,323	454,435
Travel	149,250	149,250	0	149,250
Longevity	2,195	2,195	0	2,195
Total Expenses	1,323,520	1,323,520	66,176	1,389,696
Increase/Decrease in Balance Revenues less Expenses	0	0	0	0
ENDING BALANCE	2,775	2,775		2,775

Request for Increased Student Fee
TEXAS A&M UNIVERSITY - SAN ANTONIO
Athletic Fee FY - 2024 (Fall 2023)

LEGISLATIVE/INTERNAL MAXIMUM:

Current Fee: \$10.50 for Fall and Spring
 \$10.50 for Summer
Proposed Fee: \$11.03 for Fall and Spring
 \$11.03 for Summer
Basis: sch (sch, sem, student, etc.)

Current: \$126.00 for Fall and Spring
 \$126.00 for Summer
Proposed: \$132.30 for Fall and Spring
 \$132.30 for Summer

Number of Students Affected: 6,827
Current Semester Credit Hours: 151,089
Projected Semester Credit Hours: 151,089

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual Estimated	2,775	2,775		2,775
Revenues				
Gross Fees	1,527,138	1,527,138	76,357	1,603,495
Exemptions and Waivers	(137,442)	(137,442)	(6,872)	(144,314)
Total Revenues	1,389,696	1,389,696	69,485	1,459,181
Expenses				
Salaries & Wages	615,617	615,617	50,000	665,617
Fringe Benefits	168,199	168,199	13,500	181,699
Departmental Operations	454,435	454,435	5,985	460,420
Travel	149,250	149,250	0	149,250
Longevity	2,195	2,195	0	2,195
Total Expenses	1,389,696	1,389,696	69,485	1,459,181
Increase/Decrease in Balance Revenues less Expenses	0	0	0	0
ENDING BALANCE	2,775	2,775		2,775

TEXAS A&M UNIVERSITY-TEXARKANA

Summary of Proposed Fee Changes

Effective Fall 2022

<u>PAGE</u>	<u>FEE DESCRIPTION</u>	<u>BASIS</u>	<u>CURRENT</u>	<u>INCREASE</u>	<u>PROPOSED</u>
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13.2 Tuition & Fee Plans (variable and guaranteed)

Increase the overall academic charge (tuition and fees) to a student choosing the **one-year variable rate** tuition and fee plan based on an inflationary adjustment of 2.7%.

The overall academic charge (tuition and fees) to a student choosing the **guaranteed rate** tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan.

In addition to the above inflationary adjustment, the following tuition and fee changes are being requested:

13.6	Athletic Fee	SCH	\$13.18	\$1.32	\$14.50
	Fall, Spring & Summer Max (at 12 SCH's)	SEM	\$158.16	\$15.84	\$174.00

***Approved via student referendum, October 11-13, 2021.**

SCH - Semester Credit Hour

SEM - Semester

Request for Increased Student Fee
TEXAS A&M UNIVERSITY-TEXARKANA
Designated Tuition - Tuition & Fee Plans (Inflationary Adjustment)
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

Texas A&M University-Texarkana is requesting a designated tuition increase to the overall academic charge for variable-rate tuition based on the 2021 Inflationary Adjustment. The guaranteed rate will be set at an amount equal to 5% greater than the one-year variable-rate tuition and fee plan.

The revenue generated by this increase will be used to fund scholarships, support rising operational costs (such as utilities, insurance and maintenance costs associated with our two new buildings), increase recruitment efforts, and fund student success initiatives.

II. Public hearing and/or student referendum requirements

Hearings were held in the morning and afternoon of October 7th, 2021, to discuss the proposed increase.

III. Budget impact if fee request is not approved

If the proposed increase is not approved, the University's ability to support strategic plans for enrollment growth, increased scholarships, and the continued rise in operations and maintenance costs will be limited.

IV. Justification for ending balance

No significant ending balances are projected.

V. Additional information

Request for Increased Student Fee
TEXAS A&M UNIVERSITY-TEXARKANA
 Designated Tuition - Tuition & Fee Plans (Inflationary Adjustment)

Current Fee: Various for Fall and Spring
 Various for Summer
 Proposed Fee: Various for Fall and Spring
 Various for Summer
 Basis: sch (sch, sem, student, etc.)

Number of Students Affected: 778
 Current Semester Credit Hours: 22,872
 Projected Semester Credit Hours: 22,481

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual	0			
Estimated		0		0
Revenues				
Fees	8,372,216	8,230,612	347,300	8,577,912
Total Revenues	8,372,216	8,230,612	347,300	8,577,912
Expenses				
Salaries & Wages	1,214,398	1,214,398	105,314	1,319,712
Fringe Benefits	162,281	162,281	24,000	186,281
Departmental Operations	5,025,235	4,973,501	217,986	5,191,487
Utilities	132,120	132,120	0	132,120
Tuition Set-Asides/Exemptions	1,838,182	1,748,312	0	1,748,312
Total Expenses	8,372,216	8,230,612	347,300	8,577,912
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

Request for Increased Student Fee
TEXAS A&M UNIVERSITY-TEXARKANA
Differential Designated Tuition - Tuition & Fee Plans (Inflationary Adjustment)
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

Texas A&M University-Texarkana is requesting a differential designated tuition increase to the College of Arts & Sciences Undergraduate Nursing program and College of Business, Engineering & Technology Undergraduate and Graduate Programs based on the approved Inflationary Adjustment. The guaranteed rate will be set at an amount equal to 5% greater than the one-year variable-rate tuition and fee plan.

The revenue generated by this increase will be used to fund scholarships, support the growing needs of college operations, increase efforts related to faculty hires and retention, increase recruitment efforts, and fund student success initiatives.

II. Public hearing and/or student referendum requirements

Hearings were held in the morning and afternoon of October 7th, 2021, to discuss the proposed increase.

III. Budget impact if fee request is not approved

If the proposed increase is not approved, the university's ability to support strategic plans for enrollment growth, increased scholarships, and the continued rise in operations and maintenance costs will be limited.

IV. Justification for ending balance

All ending balances will be incorporated into subsequent years to address the growing needs of college operations related to faculty hires and retention, continuing assessment demands, and increasing the availability of resources and scholarships.

V. Additional information

Request for Increased Student Fee
TEXAS A&M UNIVERSITY-TEXARKANA
 Designated Differential Tuition (Inflationary Adjustment)
 College of Arts & Sciences and Education Undergraduate Designated Differential-Nursing
 College of Business, Engineering, and Technology Undergraduate & Graduate Designated Differential

Undergraduate:

Current Fee: \$18.38 for Fall and Spring
 \$18.38 for Summer
 Proposed Fee: \$18.88 for Fall and Spring
 \$18.88 for Summer
 Basis: sch (sch, sem, student, etc.)

Graduate: College of Business, Engineering, Technology

Current Fee: \$46.43 for Fall and Spring
 \$46.43 for Summer
 Proposed Fee: \$48.33 for Fall and Spring
 \$48.33 for Summer
 Basis: sch (sch, sem, student, etc.)

Number of Students Affected: 408
 Current Semester Credit Hours: 70-378
 Projected Semester Credit Hours: 1,040 - 3,402

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual	0			
Estimated		0		0
Revenues				
Fees	141,604	0	19,551	19,551
Total Revenues	141,604	0	19,551	19,551
Expenses				
Departmental Operations	141,604	0	19,551	19,551
Total Expenses	141,604	0	19,551	19,551
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

Request for Increased Student Fee
TEXAS A&M UNIVERSITY-TEXARKANA
Athletic Fee
Effective Fall 2022

I. Programmatic justification and proposed use of the new fee

Texas A&M University-Texarkana is requesting to increase the current athletics fee by a total of 10% or \$1.32/SCH, with a cap imposed at 12 SCH's. As a campus with a growing athletics program, funding is needed to help support the expansion of our athletics programs, as well as support increasing costs associated with insurance, maintenance, and part-time coaching and scoring staff.

II. Public hearing and/or student referendum requirements

Hearings was held in the morning and afternoon of October 7th, 2021. A student referendum was held on October 11 - 13, 2021. The fee increase passed with 169 students participating: 112 voted yes and 57 voted no.

III. Budget impact if fee request is not approved

If the proposed increase is not approved, the growth of our athletics programs and our ability to fund increasing costs such as insurance and maintenance will suffer. In addition, our ability to hire much needed part-time coaching and scoring staff will be impacted negatively.

IV. Justification for ending balance

No significant ending balance is projected.

V. Additional information

Request for Increased Student Fee
TEXAS A&M UNIVERSITY-TEXARKANA
Athletic Fee

LEGISLATIVE/INTERNAL MAXIMUM:

Current Fee:	<u>\$13.18</u>	for Fall and Spring	Current:	<u>\$158.16</u>	for Fall and Spring
	<u>\$13.18</u>	for Summer		<u>\$158.16</u>	for Summer
Proposed Fee:	<u>\$14.50</u>	for Fall and Spring	Proposed:	<u>\$173.98</u>	for Fall and Spring
	<u>\$14.50</u>	for Summer		<u>\$173.98</u>	for Summer
Basis:	<u>sch</u>	(sch, sem, student, etc.)			

Number of Students Affected:	<u>778</u>
Current Semester Credit Hours:	<u>17,039</u>
Projected Semester Credit Hours:	<u>17,039</u>

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual	0			
Estimated		0		0
Revenues				
Fees	547,534	547,534	22,458	569,992
Interest	0	0	0	0
Designated	1,633,242	1,633,242	0	1,633,242
Total Revenues	<u>2,180,776</u>	<u>2,180,776</u>	<u>22,458</u>	<u>2,203,234</u>
Expenses				
Salaries & Wages	574,634	574,634	22,458	597,092
Fringe Benefits	157,729	157,729	0	157,729
Departmental Operations	1,448,413	1,448,413	0	1,448,413
Total Expenses	<u>2,180,776</u>	<u>2,180,776</u>	<u>22,458</u>	<u>2,203,234</u>
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	<u>0</u>	<u>0</u>		<u>0</u>

WEST TEXAS A&M UNIVERSITY

Summary of Proposed Fee Changes

Effective Fall 2022

<u>PAGE</u>	<u>FEE DESCRIPTION</u>	<u>BASIS</u>	<u>CURRENT</u>	<u>INCREASE</u>	<u>PROPOSED</u>
14.2	Tuition & Fee Plans (variable and guaranteed) Increase the overall academic charge (tuition and fees) to a student choosing the one-year variable rate tuition and fee plan based on an inflationary adjustment of 2.7%. The overall academic charge (tuition and fees) to a student choosing the guaranteed rate tuition and fee plan will be set at an amount equal to 5% greater than the one-year variable rate tuition and fee plan. <u>In addition to the above inflationary adjustment, the following tuition and fee changes are being requested:</u>				
14.8	Differential Tuition - Communication Disorders (Graduate Level Courses)	SCH	New		\$45.55

SCH - Semester Credit Hour

SEM - Semester

Request for Increased Student Fee
WEST TEXAS A&M UNIVERSITY
Designated Tuition (Inflationary Adjustment)
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

Increasing Designated Tuition by the permissible Inflationary Adjustment will provide a modest but necessary revenue increase as it will apply only to newly enrolled students and continuing one year optional plan participants. The increase will provide financial support for addressing rising departmental and university operating costs. Increased revenue will be utilized to fund new faculty positions in high growth areas, support ongoing student success initiatives and increased funding for student scholarships.

II. Public hearing and/or student referendum requirements

A university wide tuition and fee hearing was held on September 30, 2021, to discuss the proposed increase.

III. Budget impact if fee request is not approved

Without the Inflationary Adjustment to Designated Tuition, individual departments and the university as a whole will be required to absorb general cost increases from existing revenues. Some departments may be forced to offer diminished services to students and funding for additional full and part-time faculty in growth areas may not be available. Increased scholarship revenue derived from designation tuition increases will not be realized limiting available scholarships to students.

IV. Justification for ending balance

No ending balance is anticipated.

V. Additional information

Request for Increased Student Fee
WEST TEXAS A&M UNIVERSITY
Designated Tuition (Inflationary Adjustment)

Current Fee:	<u>Varies</u>	for Fall and Spring
	<u>Varies</u>	for Summer
Proposed Fee:	<u>Varies</u>	for Fall and Spring
	<u>Varies</u>	for Summer
Basis:	<u>Varies</u>	(sch, sem, student, etc.)

Number of Students Affected:	<u>3,488</u>
Current Semester Credit Hours:	<u>37,074</u>
Projected Semester Credit Hours:	<u>37,074</u>

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual Estimated	0	0		0
Revenues				
Fees	14,580,236	14,580,236	80,290	14,660,526
Total Revenues	14,580,236	14,580,236	80,290	14,660,526
Expenses				
Salaries & Wages	4,621,935	4,621,935	25,452	4,647,387
Fringe Benefits	1,078,937	1,078,937	5,941	1,084,878
Departmental Operations	6,036,218	6,036,218	33,240	6,069,458
Maintenance/Equipment	320,765	320,765	1,766	322,531
Travel	291,605	291,605	1,606	293,211
Scholarships	2,230,776	2,230,776	12,285	2,243,061
Total Expenses	14,580,236	14,580,236	80,290	14,660,526
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

Request for Increased Student Fee
WEST TEXAS A&M UNIVERSITY
University Services Fee (Inflationary Adjustment)
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

As general operating costs continue to increase, the ability to provide quality services to students may be diminished without additional revenue to offset these increases. Increased revenue will be used to support and/or enhance advising services, library operations, student recruitment activities, student counseling services, information technology services, and university police operations.

II. Public hearing and/or student referendum requirements

A university wide tuition and fee hearing was held on September 30, 2021, to discuss the proposed fee increase.

III. Budget impact if fee request is not approved

If the Inflationary Adjustment to the University Services Fee is not approved, many services provided to students, some of which are critical for student success, will be negatively affected.

IV. Justification for ending balance

No ending balance is anticipated.

V. Additional information

Request for Increased Student Fee
WEST TEXAS A&M UNIVERSITY
University Services Fee (Inflationary Adjustment)

Current Fee: Varies for Fall and Spring
 Varies for Summer
Proposed Fee: Varies for Fall and Spring
 Varies for Summer
Basis: sch (sch, sem, student, etc.)

Number of Students Affected: 3,488
Current Semester Credit Hours: 37,074
Projected Semester Credit Hours: 37,074

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual Estimated	0	0		0
Revenues				
Fees	3,367,115	3,367,115	717,195	4,084,310
Total Revenues	3,367,115	3,367,115	717,195	4,084,310
Expenses				
Salaries & Wages	1,067,375	1,067,375	227,351	1,294,726
Fringe Benefits	249,167	249,167	53,072	302,239
Departmental Operations	1,393,985	1,393,985	296,919	1,690,904
Maintenance/Equipment	74,077	74,077	15,778	89,855
Travel	67,342	67,342	14,344	81,686
Scholarships	515,169	515,169	109,731	624,900
Total Expenses	3,367,115	3,367,115	717,195	4,084,310
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

Request for Increased Student Fee
WEST TEXAS A&M UNIVERSITY
Deferred Maintenance Fee (Inflationary Adjustment)
Effective Fall 2022

I. Programmatic justification and proposed use of the increased fee

West Texas A&M University recently celebrated its' 110th year in existence. Many of the buildings on campus are approaching 75 years or older and it is getting more difficult and costly to ensure the maintenance and upkeep of these facilities. During our Master Plan Update, it was determined that several of our facilities, including interior and exterior envelopes, are currently in need, or will soon be in need of replacement. The Master Plan Update estimated current needs of more than \$85M with an additional \$25M needed in the next several years.

The additional revenue is greatly needed and will be used for planned replacement of equipment, flooring, lighting, windows, doors, plumbing, and other infrastructure needs.

II. Public hearing and/or student referendum requirements

A university wide tuition and fee hearing was held on September 30, 2021, to discuss the proposed increase.

III. Budget impact if fee request is not approved

Without the Inflationary Adjustment to the Deferred Maintenance Fee, the university's ability to address deferred maintenance needs will be lessened. This could increase the amount of "critical" deferred maintenance, resulting in temporary closure of facilities important for student learning.

IV. Justification for ending balance

No ending balance is anticipated.

V. Additional information

Request for Increased Student Fee
WEST TEXAS A&M UNIVERSITY
Deferred Maintenance Fee (Inflationary Adjustment)

Current Fee: \$51.05 for Fall and Spring
 \$51.05 for Summer
Proposed Fee: \$52.43 for Fall and Spring
 \$52.43 for Summer
Basis: sem (sch, sem, student, etc.)

Number of Students Affected: 3,488
Current Semester Credit Hours: 37,074
Projected Semester Credit Hours: 37,074

	FY 2022 Budget	FY 2023 Budget without fee increase	FY 2023 Proposed Increase (Decrease)	FY 2023 Budget
BEGINNING BALANCE - Actual Estimated	0	0		0
Revenues				
Fees	395,721	395,721	10,685	406,406
Total Revenues	395,721	395,721	10,685	406,406
Expenses				
Maintenance/Equipment	395,721	395,721	10,685	406,406
Total Expenses	395,721	395,721	10,685	406,406
Increase/Decrease in Balance				
Revenues less Expenses	0	0	0	0
ENDING BALANCE	0	0		0

Request for New Student Fee
WEST TEXAS A&M UNIVERSITY
Communication Disorders Differential Tuition
Effective Fall 2022

I. Programmatic justification and proposed use of the new fee

The College of Nursing and Health Sciences is proposing the addition of differential tuition for graduate level courses in the Department of Communication Disorders. The rate charged will be equivalent to existing differential tuition rates within the college currently assessed to selected Nursing courses.

Revenue generated from this expanded application of differential tuition will be used to offset the cost of accreditation fees; provide for needed clinical equipment maintenance, repair and replacement; cover the costs of American Speech-Language Hearing Association (ASHA) dues, professional licenses and program fees; provide funding for faculty salary enhancement; and increase the amount of funds available for student scholarships.

II. Public hearing and/or student referendum requirements

A separate hearing for this proposed differential tuition was held on September 28, 2021, for those graduate students who will be subject to the new/expanded differential tuition. Additionally, the proposed increase will be reviewed with all students during the university wide tuition and fee hearing on September 30, 2021.

III. Budget impact if fee request is not approved

Fewer course offerings each semester will make it difficult for students to find needed courses, which could possibly delay timely graduation. Specialized equipment needed for student training may be unavailable or may not be on par with the latest, state of the art models currently used in the profession.

IV. Justification for ending balance

No ending balance is anticipated.

V. Additional information

Request for New Student Fee
WEST TEXAS A&M UNIVERSITY
 Communication Disorders Differential Tuition

Proposed Fee: \$45.55 for Fall and Spring
 \$45.55 for Summer
 Basis: sch (sch, sem, student, etc.)

Number of Students Affected: 67
 Projected Student Enrollment: 67
 Projected Semester Credit Hours: 1,027

		FY 2023 Budget
BEGINNING BALANCE		0
Revenues		
Fees		46,780
Total Revenues		46,780
Expenses		
Salaries & Wages		18,715
Fringe Benefits		3,275
Departmental Operations		7,014
Maintenance/Repair		9,356
Equipment		6,081
Program/Licensing Fees		2,339
Total Expenses		46,780
Increase/Decrease in Balance (Revenues less Expenses)		(0)
ENDING BALANCE		(0)

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the RELLIS Runway 35R Rehabilitation Project, The Texas A&M University System RELLIS Campus, Bryan, Texas (Project No. 01-3331)

Background and Prior Actions:

The RELLIS Runway 35R Rehabilitation Project was included as an approved project on the FY 2021 – FY 2025 A&M System Capital Plan approved by the Board at the August 2020 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$4,834,800 for construction services and related project costs. \$537,200 has been previously appropriated to this project.
- (3) Approve construction of the RELLIS Runway 35R Rehabilitation Project at The Texas A&M University System RELLIS Campus (RELLIS).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Permanent University Fund Debt Proceeds	<u>\$5,372,000</u>	\$399,280	Available University Fund
Total Project Funds	<u>\$5,372,000</u>		

Project Justification:

The Texas A&M University System (A&M System) is continuing the advancement of the RELLIS Campus: A high-tech, multi-institutional research, testing and workforce development campus. As the campus continues to grow, a need for continual improvement in the areas of infrastructure continues to grow as well.

The project will include the rehabilitation of the RELLIS Runway 35R surface. Built in the 1940's, 35R has continuously been used as an active military or active transportation research facility. Minimal maintenance has been performed to maintain the surface characteristics required for such a facility.

Agenda Item No.
Agenda Item Briefing

The RELLIS Proving Grounds are located at the former Bryan Air Force Base. This system of concrete runways was constructed as a part of the military operations at the site. Since the decommissioning of the site in the 1960's and the subsequent turnover to the A&M System, the runways have been used for many different transportation-related research projects conducted by the Texas A&M Transportation Institute and others.

The need for high-quality pavement for a multitude of different vehicle research projects has greatly increased since the founding of RELLIS. RELLIS has had difficulty meeting the needs of various research activities due to the current condition of the runway system.

RELLIS performed a feasibility study that involved a detailed pavement and drainage study of the runway system to determine the capital requirements to bring the runways up to a baseline condition where these research projects can be conducted. The highest priority project from the feasibility study was identified as Runway 35R improvements.

Scope:

This project includes improvements to bring Runway 35R up to a serviceable condition for these research projects. The scope of work includes asphalt overlay removal, railroad track removal, concrete joint cleaning and sealing, pavement spall repair, pavement panel replacement, and panel grinding. This project also includes surface drainage system modifications to maintain positive drainage on the pavement surfaces as to have no negative impacts to the current drainage of the runway system.

Completion of this project will provide RELLIS with two runways that are in a maintainable state that are suitable for foreseen research needs.

Construction on this project is scheduled to start in December 2021 with substantial completion scheduled for December 2022. The total project budget is \$5,372,000.

Other Major Fiscal Impacts:

None.

Strategic Plan Imperative(s) this Item Advances:

The RELLIS Runway 35R Rehabilitation project supports Strategic Plan Imperative 4, "The A&M System will increase its prominence by building a robust and targeted research portfolio. We will continue to encourage cross-institution and cross-discipline collaboration, and we will support our member institutions in their research pursuits, including obtaining emerging research status." This project is essential for rehabilitating an existing asset and providing additional research area for A&M System members and external research contracts.

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Deputy Chancellor and Chief Financial Officer
October 6, 2021

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the RELLIS Runway 35R Rehabilitation Project, The Texas A&M University System RELLIS Campus, Bryan, Texas (Project No. 01-3331)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$5,372,000 for the RELLIS Runway 35R Rehabilitation Project is approved.

The amount of \$4,834,800 is appropriated from Account No. 01-084243 Permanent University Fund Debt Proceeds (AUF), for construction services and related project costs.

The RELLIS Runway 35R Rehabilitation Project, The Texas A&M University System RELLIS Campus, Bryan, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).”

Respectfully submitted,

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

Phillip Ray
Vice Chancellor for Business Affairs

Kelly Templin, Director
The Texas A&M University System RELLIS Campus

RELLIS RUNWAY 35R REHABILITATION**PROJECT BUDGET****THE TEXAS A&M UNIVERSITY SYSTEM RELLIS CAMPUS****PROJECT NO. 01-3331**

1.	Construction	\$4,532,000
2.	Project Contingency	242,000
3.	Program of Requirements.....	0
4.	Pre-Construction Services	370,000
5.	Commissioning.....	0
6.	Construction Testing	46,000
7.	Campus Services & Technology	15,000
8.	Furnishings	0
9.	Equipment	0
10.	Other Project Costs.....	28,000
11.	Project Management & Inspection	<u>139,000</u>
12.	TOTAL ESTIMATED COST OF PROJECT	<u>\$5,372,000</u>

RELLIS RUNWAY 35R REHABILITATION**PROJECT SCHEDULE****THE TEXAS A&M UNIVERSITY SYSTEM RELLIS CAMPUS****PROJECT NO. 01-3331**

1. Issue A/E RFQ September 1, 2020
2. Receive A/E RFQ Responses..... September 24, 2020
3. Shortlist A/E FirmsNovember 6, 2020
4. Interview A/E ShortlistNovember 10, 2020
5. A/E Ranked Order Approved by ChancellorNovember 20, 2020
6. Execute A/E Agreement January 7, 2021
7. Complete Schematic Design March 29, 2021
8. Complete Design Development June 7, 2021
9. Complete Construction Documents August 23, 2021
10. Issue CSP RFP August 24, 2021
11. Receive CSP RFP September 22, 2021
12. CSP Ranked Order Approved by ChancellorOctober 14, 2021
13. BOR Approval for ConstructionNovember 18, 2021
14. Submit THECB ApplicationNovember 18, 2021
15. Execute CSP Agreement December 7, 2021
16. Begin Construction December 13, 2021
17. Substantial Completion December 20, 2022
18. Owner Occupancy December 21, 2022

**TEXAS A&M UNIVERSITY SYSTEM
PERMANENT UNIVERSITY FUND
01-3331 RELLIS Runway 35R Rehabilitation
Available University Fund**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total
BONDS	5,425,000.00			
YEAR 1	5,245,000.00	180,000.00	217,000.00	397,000.00
YEAR 2	5,055,000.00	190,000.00	209,800.00	399,800.00
YEAR 3	4,860,000.00	195,000.00	202,200.00	397,200.00
YEAR 4	4,655,000.00	205,000.00	194,400.00	399,400.00
YEAR 5	4,440,000.00	215,000.00	186,200.00	401,200.00
YEAR 6	4,220,000.00	220,000.00	177,600.00	397,600.00
YEAR 7	3,990,000.00	230,000.00	168,800.00	398,800.00
YEAR 8	3,750,000.00	240,000.00	159,600.00	399,600.00
YEAR 9	3,500,000.00	250,000.00	150,000.00	400,000.00
YEAR 10	3,240,000.00	260,000.00	140,000.00	400,000.00
YEAR 11	2,970,000.00	270,000.00	129,600.00	399,600.00
YEAR 12	2,690,000.00	280,000.00	118,800.00	398,800.00
YEAR 13	2,400,000.00	290,000.00	107,600.00	397,600.00
YEAR 14	2,095,000.00	305,000.00	96,000.00	401,000.00
YEAR 15	1,780,000.00	315,000.00	83,800.00	398,800.00
YEAR 16	1,450,000.00	330,000.00	71,200.00	401,200.00
YEAR 17	1,110,000.00	340,000.00	58,000.00	398,000.00
YEAR 18	755,000.00	355,000.00	44,400.00	399,400.00
YEAR 19	385,000.00	370,000.00	30,200.00	400,200.00
YEAR 20	-	385,000.00	15,400.00	400,400.00
		<u>\$ 5,425,000.00</u>	<u>\$ 2,560,600.00</u>	<u>\$ 7,985,600.00</u>

Estimated Issuance Costs and Rounding of \$53,000 are included in this schedule.
Long-term rates are assumed to be 4.00%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 09/10/2021

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.



REllIS Runway 35R Rehabilitation

The Texas A&M University System REllIS Campus

Project No. 01-3331

Agenda Item No.

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval to Amend the FY 2022-FY 2026 Texas A&M University System Capital Plan to Add the Bright Area Development Project (Project No. 02-3343) for Texas A&M University with a FY 2022 Start Date

Proposed Board Action:

- (1) Amend the approved FY 2022-FY 2026 Texas A&M University System Capital Plan to add the Bright Area Development Project for Texas A&M University (Texas A&M) with a FY 2022 start date and a total planning amount of \$205,000,000.
- (2) Appropriate \$20,500,000 for pre-construction services and related project costs, contingent upon the completion of a Program of Requirements (POR) scoped to the approved budget for the Bright Area Development project.

Funding/Planning Amount:

<u>Funding Source</u>	<u>Planning Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Revenue Financing System Debt Proceeds	\$25,000,000	\$1,642,467	Seat License Revenue*
Revenue Financing System Debt Proceeds	<u>\$180,000,000</u>	\$11,824,792	Stadium Revenue Funds**
Total Project Cost***	<u>\$205,000,000</u>		

*For the RFS debt to be repaid with Seat License Revenue, Texas A&M will enter into an agreement with the 12th Man Foundation to provide the amount required to pay debt service.

**Texas A&M is starting a fund-raising effort for this project and has plans to replace a minimum of \$125 million of the cost with gifts as the debt service source. For the RFS debt to be repaid with gifts, the university plans to obtain a guarantee from the 12th Man Foundation to cover any shortfall in gift revenue and any shortfall in total revenue to cover the required 1.15x debt service coverage. RFS debt will be repaid or replaced with gift funds as received.

***System policy requires 50% of the gifts funds in hand and an additional 25% in documented pledges before approval for construction on the project is received. For any funds not in hand, an unrestricted source of funds must be identified to pay for the project or for the repayment of debt prior to approval for construction.

Project Justification:

As a continuation of the premier learning experience at its College Station campus, Texas A&M and the Athletic Department desire to improve the current Bright Complex area with expansion and renovation of their current facilities and surrounding site. The importance of this project is the continued enhancements of the training and educational support system for the student athletes. The project elevates the athletic and education support programs to the top tier in the collegiate market. From a big picture perspective, the site exterior improvements will result in a more cohesive Bright Complex area that better organizes the pedestrian and vehicular circulation and provides varied landscape features that create an overall positive environment. The new Academic Center's focus is the education, nutrition and overall health of the student athlete, and the current needs of these programs have outgrown their existing home in the Bright building. The new Indoor Football building will provide an extended playing field and support spaces for the team to utilize both indoor and adjacent outdoor practice fields for more coordinated and efficient workout schedules that aren't attainable with the current facility. The renovation of the existing Bright Complex will modernize the player meeting and locker room areas, as well as rehabilitation and coaches areas to create the synergy for the highest caliber of athletic training. Dovetailed with these improvements is the addition of new premium suites at the south end of Kyle Field for the added benefit to the overall fan experience.

In addition, the Texas A&M System and the Aggie Athletics Department desire to construct a new training and competition venue for the Indoor Track programs. With the proposed enhancements and expansion in the Bright Area Development Project, this facility will be necessary for continuity of training and the future success of the Men's and Women's Track programs. The project will re-establish Texas A&M as a leading host site of both SEC Championship and NCAA National Championship level competitions – providing national exposure for the programs and the university. The facility will consolidate the Indoor and Outdoor Track programs into a single destination on West Campus, allowing for maximum utilization of student-athlete, coaching, training, and media facilities located at E.B. Cushing Outdoor Track and the West Campus Player Development Center. This hub will solidify Texas A&M as the gold standard of track and field facilities and be a powerful tool in the recruitment of future national champions.

Scope:

The Texas A&M Athletic Department desires to redevelop the Bright Area including the following components:

- Redevelop the Bright Football Complex at an estimated cost of \$125,000,000 to include the following:
 - Construct a new indoor football practice facility;
 - Construct a new academic support center for student athletes and relocate the Slocum Nutrition Center;
 - Renovate the first and second floors of the Bright Complex.
- Add approximately 31 new suites to the South End Zone in Kyle Field at an estimated cost of \$25,000,000.

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- Construct a new Indoor Track Facility adjacent to the Outdoor Track at an estimated cost of \$55,000,000.

Other Major Fiscal Impacts:

None.

Strategic Plan Imperative(s) this Item Advances:

The Bright Area Development Project firmly supports the A&M System Strategic Plan imperative #3. “Our students will leave the A&M System as responsible and engaged citizens prepared for successful careers in an increasingly global economy.” As noted earlier, the main emphasis of this project is adding and enhancing the opportunities for the success of the student athlete both on and off the playing field. In upgraded athletic training components, the project also focuses on the furthering of the students’ educational goals so that they have the necessary skills to meet the demands of their desired profession in the global workplace. Opportunities for group and individual tutoring sessions in new classrooms with the latest technology will be available to support their learning process and ultimate graduation. Additionally, this project provides training and support methods for a healthy lifestyle with nutritional and mental health support mechanisms that can be utilized throughout their adult life.

The new Indoor Track and Field project supports the Texas A&M Strategic Plan imperative #1. “All qualified students will find a place in the A&M System and will have an array of pathways to pursue their ambitions and interests.” A clear example of this imperative in action was on display in the summer of 2021 when 12 current and former Texas A&M Track and Field athletes competed in the Tokyo Olympics. Texas A&M provided these student-athletes with the opportunity to receive a world-class education while pursuing their dreams of representing their countries at the highest level of international competition. The project will not only continue, but enhance the Track and Field program’s ability to provide this type of opportunity.

Agenda Item No.

**THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION**
Office of the Deputy Chancellor and Chief Financial Officer
October 13, 2021

Members, Board of Regents
The Texas A&M University System

Subject: Approval to Amend the FY 2022-FY 2026 Texas A&M University System Capital Plan to Add the Bright Area Development Project (Project No. 02-3343) for Texas A&M University with a FY 2022 Start Date

I recommend adoption of the following minute order:

“The request to amend the FY 2022-FY 2026 Texas A&M University System Capital Plan to add the Bright Area Development Project for Texas A&M University with an FY 2022 start date and a total planning amount of \$205,000,000 is approved.

Contingent upon the completion of the Program of Requirements, the amount of \$20,500,000 is appropriated from Account No. 01-083538, Revenue Financing System Debt Proceeds (Stadium Revenue Funds), for pre-construction services and related project costs.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations.”

Respectfully submitted,

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

Phillip Ray
Vice Chancellor for Business Affairs

M. Katherine Banks, Ph.D., President
Texas A&M University

**TEXAS A&M UNIVERSITY
REVENUE FINANCING SYSTEM
02-3343 Bright Area Development
Seat License Revenue**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	25,250,000.00				
YEAR 1	24,870,000.00	380,000.00	1,262,500.00	1,642,500.00	1,888,875.00
YEAR 2	24,470,000.00	400,000.00	1,243,500.00	1,643,500.00	1,890,025.00
YEAR 3	24,050,000.00	420,000.00	1,223,500.00	1,643,500.00	1,890,025.00
YEAR 4	23,610,000.00	440,000.00	1,202,500.00	1,642,500.00	1,888,875.00
YEAR 5	23,150,000.00	460,000.00	1,180,500.00	1,640,500.00	1,886,575.00
YEAR 6	22,665,000.00	485,000.00	1,157,500.00	1,642,500.00	1,888,875.00
YEAR 7	22,155,000.00	510,000.00	1,133,250.00	1,643,250.00	1,889,737.50
YEAR 8	21,620,000.00	535,000.00	1,107,750.00	1,642,750.00	1,889,162.50
YEAR 9	21,060,000.00	560,000.00	1,081,000.00	1,641,000.00	1,887,150.00
YEAR 10	20,470,000.00	590,000.00	1,053,000.00	1,643,000.00	1,889,450.00
YEAR 11	19,850,000.00	620,000.00	1,023,500.00	1,643,500.00	1,890,025.00
YEAR 12	19,200,000.00	650,000.00	992,500.00	1,642,500.00	1,888,875.00
YEAR 13	18,515,000.00	685,000.00	960,000.00	1,645,000.00	1,891,750.00
YEAR 14	17,800,000.00	715,000.00	925,750.00	1,640,750.00	1,886,862.50
YEAR 15	17,045,000.00	755,000.00	890,000.00	1,645,000.00	1,891,750.00
YEAR 16	16,255,000.00	790,000.00	852,250.00	1,642,250.00	1,888,587.50
YEAR 17	15,425,000.00	830,000.00	812,750.00	1,642,750.00	1,889,162.50
YEAR 18	14,555,000.00	870,000.00	771,250.00	1,641,250.00	1,887,437.50
YEAR 19	13,640,000.00	915,000.00	727,750.00	1,642,750.00	1,889,162.50
YEAR 20	12,680,000.00	960,000.00	682,000.00	1,642,000.00	1,888,300.00
YEAR 21	11,670,000.00	1,010,000.00	634,000.00	1,644,000.00	1,890,600.00
YEAR 22	10,610,000.00	1,060,000.00	583,500.00	1,643,500.00	1,890,025.00
YEAR 23	9,500,000.00	1,110,000.00	530,500.00	1,640,500.00	1,886,575.00
YEAR 24	8,335,000.00	1,165,000.00	475,000.00	1,640,000.00	1,886,000.00
YEAR 25	7,110,000.00	1,225,000.00	416,750.00	1,641,750.00	1,888,012.50
YEAR 26	5,825,000.00	1,285,000.00	355,500.00	1,640,500.00	1,886,575.00
YEAR 27	4,475,000.00	1,350,000.00	291,250.00	1,641,250.00	1,887,437.50
YEAR 28	3,055,000.00	1,420,000.00	223,750.00	1,643,750.00	1,890,312.50
YEAR 29	1,565,000.00	1,490,000.00	152,750.00	1,642,750.00	1,889,162.50
YEAR 30	-	1,565,000.00	78,250.00	1,643,250.00	1,889,737.50
		<u>\$ 25,250,000.00</u>	<u>\$ 24,024,000.00</u>	<u>\$ 49,274,000.00</u>	<u>\$ 56,665,100.00</u>

Estimated issuance costs and rounding of \$250,000 are included in this schedule.

Long-term rates are assumed to be 5.00%. Rates are subject to market change.

Prepared by the Office of the Treasurer - Treasury Services 10/12/2021

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.

**TEXAS A&M UNIVERSITY
REVENUE FINANCING SYSTEM
02-3343 Bright Area Development
Stadium Revenue Funds**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	181,775,000.00				
YEAR 1	179,040,000.00	2,735,000.00	9,088,750.00	11,823,750.00	13,597,312.50
YEAR 2	176,165,000.00	2,875,000.00	8,952,000.00	11,827,000.00	13,601,050.00
YEAR 3	173,150,000.00	3,015,000.00	8,808,250.00	11,823,250.00	13,596,737.50
YEAR 4	169,980,000.00	3,170,000.00	8,657,500.00	11,827,500.00	13,601,625.00
YEAR 5	166,655,000.00	3,325,000.00	8,499,000.00	11,824,000.00	13,597,600.00
YEAR 6	163,165,000.00	3,490,000.00	8,332,750.00	11,822,750.00	13,596,162.50
YEAR 7	159,500,000.00	3,665,000.00	8,158,250.00	11,823,250.00	13,596,737.50
YEAR 8	155,650,000.00	3,850,000.00	7,975,000.00	11,825,000.00	13,598,750.00
YEAR 9	151,610,000.00	4,040,000.00	7,782,500.00	11,822,500.00	13,595,875.00
YEAR 10	147,365,000.00	4,245,000.00	7,580,500.00	11,825,500.00	13,599,325.00
YEAR 11	142,910,000.00	4,455,000.00	7,368,250.00	11,823,250.00	13,596,737.50
YEAR 12	138,230,000.00	4,680,000.00	7,145,500.00	11,825,500.00	13,599,325.00
YEAR 13	133,315,000.00	4,915,000.00	6,911,500.00	11,826,500.00	13,600,475.00
YEAR 14	128,155,000.00	5,160,000.00	6,665,750.00	11,825,750.00	13,599,612.50
YEAR 15	122,740,000.00	5,415,000.00	6,407,750.00	11,822,750.00	13,596,162.50
YEAR 16	117,050,000.00	5,690,000.00	6,137,000.00	11,827,000.00	13,601,050.00
YEAR 17	111,080,000.00	5,970,000.00	5,852,500.00	11,822,500.00	13,595,875.00
YEAR 18	104,810,000.00	6,270,000.00	5,554,000.00	11,824,000.00	13,597,600.00
YEAR 19	98,225,000.00	6,585,000.00	5,240,500.00	11,825,500.00	13,599,325.00
YEAR 20	91,310,000.00	6,915,000.00	4,911,250.00	11,826,250.00	13,600,187.50
YEAR 21	84,050,000.00	7,260,000.00	4,565,500.00	11,825,500.00	13,599,325.00
YEAR 22	76,430,000.00	7,620,000.00	4,202,500.00	11,822,500.00	13,595,875.00
YEAR 23	68,425,000.00	8,005,000.00	3,821,500.00	11,826,500.00	13,600,475.00
YEAR 24	60,020,000.00	8,405,000.00	3,421,250.00	11,826,250.00	13,600,187.50
YEAR 25	51,195,000.00	8,825,000.00	3,001,000.00	11,826,000.00	13,599,900.00
YEAR 26	41,930,000.00	9,265,000.00	2,559,750.00	11,824,750.00	13,598,462.50
YEAR 27	32,200,000.00	9,730,000.00	2,096,500.00	11,826,500.00	13,600,475.00
YEAR 28	21,985,000.00	10,215,000.00	1,610,000.00	11,825,000.00	13,598,750.00
YEAR 29	11,260,000.00	10,725,000.00	1,099,250.00	11,824,250.00	13,597,887.50
YEAR 30	-	11,260,000.00	563,000.00	11,823,000.00	13,596,450.00
		<u>\$ 181,775,000.00</u>	<u>\$ 172,968,750.00</u>	<u>\$ 354,743,750.00</u>	<u>\$ 407,955,312.50</u>

Estimated issuance costs and rounding of \$1,775,000 are included in this schedule.

Long-term rates are assumed to be 5.00%. Rates are subject to market change.

Prepared by the Office of the Treasurer - Treasury Services 10/12/2021

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.



Bright Area Development

Texas A&M University

Project No. 02-3343

Agenda Item No.

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Brayton New Administrative and Classroom Facility Project, Texas A&M Engineering Extension Service, College Station, Texas (Project No. 09-3269)

Background and Prior Actions:

The Brayton New Administrative and Classroom Facility Project was presented with a planning amount of \$56,895,000 for design and construction on the FY 2019 – FY 2023 A&M System Capital Plan and approved by the Board at the August 2018 meeting. The Project was later re-scoped with a total planning amount of \$31,945,000 for design and construction and approved by the Board at the August 2019 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$28,750,500 for construction services and related project costs. \$3,194,500 has been previously appropriated to this project.
- (3) Approve construction of the Brayton New Administrative and Classroom Facility Project at Texas A&M Engineering Extension Service (TEEX).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	Average Estimated Annual <u>Debt Service</u>	Debt Service <u>Source</u>
Revenue Financing System Debt Proceeds	\$31,900,000	\$2,796,975	E&G Unrestricted
Cash (E&G Restricted)	<u>\$45,000</u>	N/A	N/A
Total Project Funds	<u>\$31,945,000</u>		

Project Justification:

In fiscal year 2019, TEEX trained/served 204,998 participants, which included 114,175 Texas citizens. TEEX also served 6,222 international participants from 110 countries. Of these totals,

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the Emergency Services Training Institute (ESTI) served 123,925 participants and 67,893 participants were trained through Brayton Fire Training Field and Disaster City operations. ESTI provided Pro Board certifications to 9,998 First Responders in 2019; Pro Board is an internationally recognized organization that accredits agencies to certify emergency responders to National Fire Protection Association professional qualification standards. ESTI has 227 full-time employees and is comprised of many different emergency services training programs. One of the largest programs is the Private Sector program that provides training to a vast array of Energy Sector and Petrochemical industries. While this program continues to see growth in the firefighting program, it has reached the training capacity of the current facilities, which will require additional classrooms.

In order to expand training opportunities for the state, nation and globe, training that makes a difference by saving lives and protecting infrastructure, a new Classroom and Administrative facility is required. The new facility will include state-of-the-art training and classroom spaces, consolidated office spaces for administration and program staff, a gift shop and all associated support spaces. To achieve the TEEX goal of training 300,000 students by 2030, TEEX will continue to develop alternative ways to meet this goal. ESTI has increased student numbers with creative class scheduling, however, is out of classroom space to continue growing. ESTI is vital to TEEX's goal of training students across the state, nation and globe in life-saving skills and also generating funds which are needed to continue the ESTI long-term field development plan.

Scope:

This project includes the construction of a new two-story, approximately 54,898 GSF (34,985 NASF), Administrative and Classroom Building on the current Brayton Fire Training Field campus and Disaster City, as well as a new surface parking lot that will serve occupants of the new building.

This project scope includes:

- Construction of a new Administrative and Classroom Facility
 - First floor: Primary uses include classrooms of various capacities, Emergency Medical Services (EMS) classrooms / storage, Recruit classrooms, Private Sector Classrooms, a reception area / lobby, shell space for a gift shop, and core building services
 - Second floor: Primary uses include Private Sector Group offices, Public Sector Group offices, Environmental Health and Safety (EHS) offices, Marketing Offices, Curriculum / Certification / Evaluation Offices, computer testing lab, shared conference rooms, and core building services
- Construction of a new 280-space parking lot
- New compacting dumpster location and mechanical yard
- If funding allows, alternate scope listed in the POR includes re-skin and re-roof of the existing adjacent training facilities (buildings #0344 and #0347) to match the new building.

Construction on this project is scheduled to start in December 2021 with substantial completion scheduled for May 2023. The total project budget is \$31,945,000.

Other Major Fiscal Impacts:

None.

Strategic Plan Imperative(s) this Item Advances:

System Strategic Plan Imperative 5: The Texas A&M University System (A&M System) will provide services that respond to the needs of the people of Texas and contribute to the strength of the state's economy. We will continue to address the needs of Texas and utilize technology to reach citizens in new ways.

TEEX strives to provide the highest caliber training to those training at ESTI, a division of TEEX. The hands-on experiences that firefighters, Emergency Medical Technicians, Hazardous Materials (HazMat), and rescue technicians receive, contribute to the emergency preparedness of Texas and beyond. The new building will provide the updated facilities for the didactic portion of the training. The design provides flexibility in classroom configuration, along with capabilities for current and future audio-visual, distance/blended learning and closer proximity to the hands-on training areas. Current facility resources are not sufficient to meet the growing demand at the fire field and Disaster City. Many of the users at ESTI are industrial clients from the Petrochemical Industry in Texas. Providing high quality training enhances the safety of the oil refining, chemical processing, transportation, and the facilities the emergency responders protect. This facility will allow TEEX to continue to make an impact on the economy of Texas by addressing the needs of communities and emergency responders for quality training.

System Strategic Plan Imperative 6: The A&M System, in adhering to the high standard of excellence and growth required in this strategic plan, will display prudent financial stewardship and sustainability. Our member institutions will be diligent about their plans for growth, and the A&M System will ensure financially sound decision-making at the aggregate level. We have robust financial management capabilities in place and will continue to manage the A&M System's financial health in a holistic manner.

The operations conducted at ESTI – Brayton Fire Training Field and Disaster City generate the funds needed for the new building. ESTI has demonstrated stewardship by designing fee structures that contribute to designated funds needed for this building. TEEX receives only 10% of total annual revenues from General Revenue appropriations, and does not receive Tuition Revenue Bonds for construction. The building allows for expansion of training deliveries at the Brayton Fire Training Field and Disaster City, which will in turn contribute to funding of the building.

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Deputy Chancellor and Chief Financial Officer
October 6, 2021

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Brayton New Administrative and Classroom Facility Project, Texas A&M Engineering Extension Service, College Station, Texas (Project No. 09-3269)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$31,945,000 for the Brayton New Administrative and Classroom Facility Project is approved.

The amount of \$28,705,500 is appropriated from Account No. 01-083540, Revenue Financing System Debt Proceeds (E&G Restricted), and the amount of \$45,000 is appropriated from Account No. 09-020121, Instruction-Designated, for construction services and related project costs.

The Brayton New Administrative and Classroom Facility Project, Texas A&M Engineering Extension Service, College Station, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

Agenda Item No.
October 6, 2021

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations.”

Respectfully submitted,

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

Phillip Ray
Vice Chancellor for Business Affairs

David Coatney, Agency Director
Texas A&M Engineering Extension Service

ATTACHMENT TO ITEM

BRAYTON NEW ADMINISTRATIVE AND CLASSROOM FACILITY	PROJECT BUDGET
TEXAS A&M ENGINEERING EXTENSION SERVICE	
PROJECT NO. 09-3269	

1.	Construction	\$23,580,000
2.	Project Contingency	1,449,902
3.	Program of Requirements.....	0
4.	Pre-Construction Services	2,028,898
5.	Commissioning.....	74,700
6.	Construction Testing	504,500
7.	Campus Services & Technology	789,000
8.	Furnishings	1,200,000
9.	Equipment	1,316,000
10.	Other Project Costs.....	155,000
11.	Project Management & Inspection	<u>847,000</u>
12.	TOTAL ESTIMATED COST OF PROJECT	<u>\$31,945,000</u>

BRAYTON NEW ADMINISTRATIVE AND CLASSROOM FACILITY TEXAS A&M ENGINEERING EXTENSION SERVICE PROJECT NO. 09-3269	PROJECT SCHEDULE
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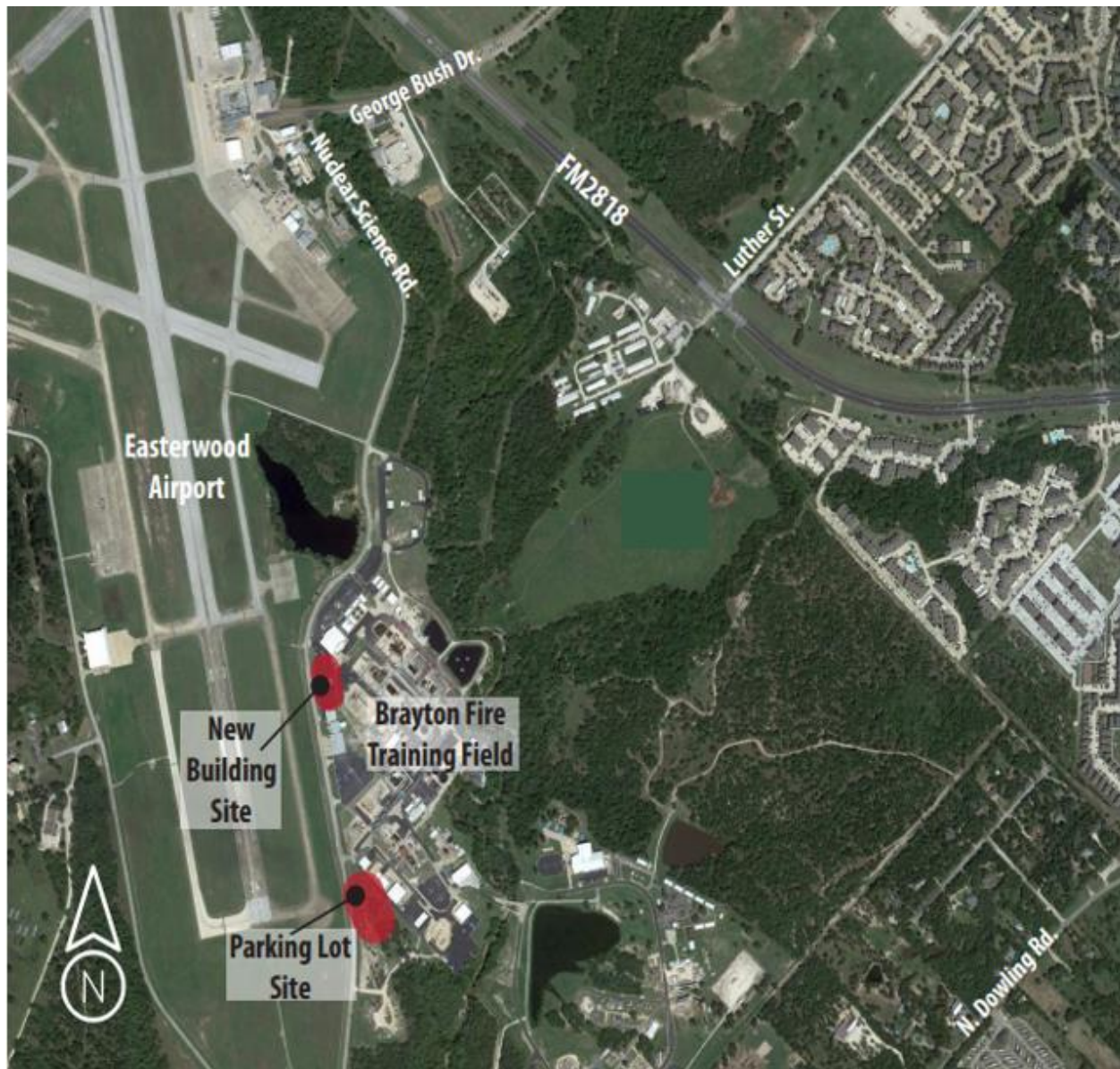
1. Issue DB RFQ June 18, 2019
2. Receive DB RFQ Responses July 9, 2019
3. Shortlist DB Firms July 18, 2019
4. Issue DB RFP July 19, 2019
5. Receive DB RFP Response..... July 26, 2019
6. Interview DB Shortlist July 31, 2019
7. DB Ranked Order Approved by Chancellor August 7, 2019
8. Execute DB Agreement October 3, 2019
9. Complete Schematic Design December 20, 2019
10. Complete Design Development March 4, 2020
11. Receive GMP from DB September 12, 2021
12. Complete Construction Documents October 21, 2021
13. Submit THECB Application October 31, 2021
14. BOR Approval for Construction November 18, 2021
15. Begin Construction December 17, 2021
16. Substantial Completion May 2, 2023
17. Owner Occupancy June 2023

**TEXAS A&M ENGINEERING EXTENSION SERVICE
REVENUE FINANCING SYSTEM
09-3269 Brayton New Administrative and Classroom Facility
E&G Unrestricted**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
BONDS	32,215,000.00				
YEAR 1	30,545,000.00	1,670,000.00	1,127,525.00	2,797,525.00	3,217,153.75
YEAR 2	28,815,000.00	1,730,000.00	1,069,075.00	2,799,075.00	3,218,936.25
YEAR 3	27,025,000.00	1,790,000.00	1,008,525.00	2,798,525.00	3,218,303.75
YEAR 4	25,175,000.00	1,850,000.00	945,875.00	2,795,875.00	3,215,256.25
YEAR 5	23,260,000.00	1,915,000.00	881,125.00	2,796,125.00	3,215,543.75
YEAR 6	21,275,000.00	1,985,000.00	814,100.00	2,799,100.00	3,218,965.00
YEAR 7	19,225,000.00	2,050,000.00	744,625.00	2,794,625.00	3,213,818.75
YEAR 8	17,100,000.00	2,125,000.00	672,875.00	2,797,875.00	3,217,556.25
YEAR 9	14,900,000.00	2,200,000.00	598,500.00	2,798,500.00	3,218,275.00
YEAR 10	12,625,000.00	2,275,000.00	521,500.00	2,796,500.00	3,215,975.00
YEAR 11	10,270,000.00	2,355,000.00	441,875.00	2,796,875.00	3,216,406.25
YEAR 12	7,835,000.00	2,435,000.00	359,450.00	2,794,450.00	3,213,617.50
YEAR 13	5,310,000.00	2,525,000.00	274,225.00	2,799,225.00	3,219,108.75
YEAR 14	2,700,000.00	2,610,000.00	185,850.00	2,795,850.00	3,215,227.50
YEAR 15	-	2,700,000.00	94,500.00	2,794,500.00	3,213,675.00
		<u>\$ 32,215,000.00</u>	<u>\$ 9,739,625.00</u>	<u>\$ 41,954,625.00</u>	<u>\$ 48,247,818.75</u>

Estimated issuance costs and rounding of \$315,000 are included in this schedule.
Long-term rates are assumed to be 3.50%. Rates are subject to market change.
Prepared by the Office of the Treasurer - Treasury Services 9/9/2021

Rates are subject to market change. Amounts are preliminary estimates that will be revised at the time bonds are issued.



Brayton New Administrative and Classroom Facility

Texas A&M Engineering Extension Service

Project No. 09-3269

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Industrial Distribution Building No. 1 Project, Texas A&M Engineering Experiment Station, Bryan, Texas (Project No. 28-3230)

Background and Prior Actions:

The Industrial Distribution Building No. 1 (IDB) Project was included as an approved project at \$18,640,000 on the FY 2019 – FY 2023 A&M System Capital Plan approved by the Board at the August 2018 meeting. Additional funding of \$1,380,000 was approved on the FY 2022 – FY 2026 A&M System Capital Plan at a total project cost of \$20,020,000.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$18,156,000 for construction services and related project costs. \$1,864,000 has been previously appropriated to this project.
- (3) Approve construction of the IDB Project for Texas A&M Engineering Experiment Station (TEES).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Revenue Financing System Debt Proceeds	\$ 9,357,155.60	\$2,004,274	Gifts*
Cash (Gifts)	\$10,412,844.40	N/A	N/A
Cash (Student Fees - TAMU)	<u>\$250,000.00</u>	N/A	N/A
Total Project Funds	<u>\$20,020,000.00</u>		

*Currently 79.6% of all gifts have been pledged. As required by System Policy 51.04, 50% of the gifts are in hand, and another 25% of the gift funds have been pledged. Should TEES fail to receive the remaining \$9,357,155.60 needed to fund the gift portion of the project, TEES has agreed via a Memorandum of Agreement to make timely payments to A&M System as necessary to fully service commercial paper or other debt issued to support the project, and such payment shall be made from Indirect Cost Recoveries.

Note: Any gifts received for this project are hereby appropriated and previous appropriations are reverted from Revenue Financing System Debt Proceeds.

Project Justification:

In support of Texas A&M University's commitment to cutting edge research and continued growth in service to the community, the Industrial Distribution (ID) department in the College of Engineering is planning to construct a new building to consolidate their Talent Incubator, Sales Excellence Laboratory, and Industry Capstone programs under one roof. The new IDB will be a stand-alone facility located on the RELLIS Campus. This premier, high-tech research technology and education building is located eight miles from the university's main campus in College Station.

Engineering has been a part of Texas A&M University since its inception as the Agricultural and Mechanical College of Texas. Today, the College of Engineering is the largest college on the Texas A&M campus with more than 350 faculty members and over 15,000 engineering students in 14 departments. The ID program in the College of Engineering is one of the most established and largest programs in terms of student enrollment and faculty size in the country. Regarded as the number one ranked ID program by industry and academia throughout North America, graduates have the highest placement rate of any degree program on campus.

ID program activities are currently scattered across the Texas A&M campus, often housed in portions of facilities dedicated to other disciplines. As the program continues to grow, existing facilities do not offer expansion opportunities. The program would be forced to further fragment or reconfigure existing space with decreasing functionality.

These ad hoc facilities, created incrementally to meet immediate needs for space, do not meet the requirements of ID for customized space in support of specialized program capabilities. Current spaces fail to encourage the integration of instruction and research central to the program. Simple co-location is only the first step. To reach its potential, the program requires flexible space specifically designed to promote innovation and creativity.

In addition to consolidating the program for increased effectiveness, the ID program is currently seeking Accreditation Board for Engineering and Technology (ABET) accreditation. Incorporating a capstone project with dedicated facilities is a crucial component to gain this accreditation. This technically-oriented discipline, focused on solving real-world challenges faced by distributors, manufacturers, and suppliers, is inherently collaborative and relies on industry relationships. Currently, these important interactions occur in spite of, not encouraged by, the department's current capabilities. Integrating a capstone project will require dedicated space to nurture existing industry relationships and allow the department to further this type of research.

This new facility for the ID program will create a powerful platform to bring together faculty, students, and industry to solve distribution problems and to discover new ways of productively and profitably servicing the needs of the market place.

Scope:

IDB totals approximately 25,900 gross square feet (GSF), which translates to approximately 19,200 assignable square feet (ASF) at 74% efficiency. The ID program applies mathematics,

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science, engineering technology, business, data processing, communications, quality control, and supply chain management to the wholesaling and distribution of technological products.

The new building creates a hub for collaboration between students, faculty, and industry partners, facilitating the culmination of idea creation and problem solving. Each floor of the building has been programmed with a separate identity that supports the overall mission.

The first floor is intended to impress – described as the “wow floor” by stakeholders. The lobby promotes ID’s contribution to industry with a welcoming, engaging environment. A grand staircase creates a design feature providing a dynamic social environment and energizing the lobby. This space serves as casual seating for Ted Talk-style industry leader discussions. Catalysts for the floor include the Distribution Innovation Studio Research Space and the Sales Excellence / Virtual Distribution Laboratory.

The second floor is dedicated to the Talent Incubator. The incubator provides a haven for students to brainstorm among their peers and engage with industry partners. This flexible workspace is collaborative, energizing, and technology-enhanced.

Construction on this project is scheduled to start in December 2021 with substantial completion scheduled for May 2023. The total project budget is \$20,020,000.

Other Major Fiscal Impacts:

None.

Strategic Plan Imperative(s) this Item Advances:

The new IDB Project will support the following A&M System Strategic Plan Imperatives:

Imperative #4 - *The A&M System will increase its prominence by building a robust and targeted research portfolio:* The new IDB will facilitate and support collaborative teaching and research by consolidating/supplementing existing classrooms and laboratories with modern, efficient and flexible classrooms and laboratories.

Imperative #5 - *The A&M System will provide services that respond to the needs of the people of Texas and contribute to the strength of the state’s economy:* In addition to imperative #4 above, this project will ultimately contribute to the strength of the Texas economy by developing “top-notch” graduates and researchers who will contribute to the economy and bolster research and development in Texas.

Imperative #6 - *The A&M System, in adhering to the high standard of excellence and growth required in this strategic plan, will display prudent financial stewardship and sustainability:* The new IDB will be constructed to be sustainable and comply with current energy codes to reduce yearly maintenance and energy costs.

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THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Deputy Chancellor and Chief Financial Officer
October 6, 2021

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Industrial Distribution Building No. 1 Project, Texas A&M Engineering Experiment Station, Bryan, Texas (Project No. 28-3230)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$20,020,000 for the Industrial Distribution Building No. 1 Project is approved.

The amount of \$9,357,155.60 is appropriated from Account No. 01-083538, Revenue Financing System Debt Proceeds, (Gifts), the amount of \$8,548,844.40 is appropriated from Account No. 28-810050, TEES Indust Dist Bldg-Gift Funded, and the amount of \$250,000 is appropriated from Account No. 02-206140, ID Building Support, for construction services and related project costs.

The Industrial Distribution Building No. 1 Project, Texas A&M Engineering Experiment Station, Bryan, Texas, is approved for construction.

The Board of Regents of The Texas A&M University System (Board) reasonably expects to incur debt in one or more obligations for this project, and all or a portion of the proceeds received from the sale of such obligations is reasonably expected to be used to reimburse the account(s) for amounts previously appropriated and/or expended from such account(s).

As required by Section 5(a) of the Master Resolution of the Revenue Financing System, the Board hereby determines that it will have sufficient funds to meet the financial obligations of The Texas A&M University System, including sufficient Pledged Revenues to satisfy the Annual Debt Service Requirements of the Revenue Financing System and to meet all financial obligations of the Board relating to the Revenue Financing System and that

the Participants, on whose behalf the debt is issued, possess the financial capacity to satisfy their Direct Obligations.”

Respectfully submitted,

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

Phillip Ray
Vice Chancellor for Business Affairs

John E. Hurtado, Ph.D.
Interim Vice Chancellor for Engineering
Texas A&M University System
Interim Director of the Texas A&M Engineering Experiment Station

INDUSTRIAL DISTRIBUTION BUILDING NO. 1 TEXAS A&M ENGINEERING EXPERIMENT STATION PROJECT NO. 28-3230	PROJECT BUDGET
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1.	Construction	\$14,742,410
2.	Project Contingency	581,112
3.	Program of Requirements.....	0
4.	Pre-Construction Services	2,063,628
5.	Commissioning.....	60,000
6.	Construction Testing	199,000
7.	Campus Services & Technology	825,000
8.	Furnishings	720,000
9.	Equipment	112,000
10.	Other Project Costs.....	200,000
11.	Project Management & Inspection	<u>516,850</u>
12.	TOTAL ESTIMATED COST OF PROJECT.....	<u>\$20,020,000</u>

**INDUSTRIAL DISTRIBUTION BUILDING NO. 1
TEXAS A&M ENGINEERING EXPERIMENT STATION
PROJECT NO. 28-3230**

PROJECT SCHEDULE

1. Issue A/E RFQ September 7, 2018
2. Receive A/E RFQ Responses..... September 27, 2018
3. Shortlist A/E FirmsOctober 1, 2018
4. Interview A/E ShortlistOctober 30, 2018
5. A/E Ranked Order Approved by ChancellorNovember 12, 2018
6. Execute A/E Agreement January 23, 2019
7. Complete Schematic Design January 2, 2020
8. Complete Design Development February 7, 2020
9. Complete Construction Documents September 8, 2021
10. Issue CSP RFP September 16, 2021
11. Submit THECB Application September 25, 2021
12. Receive CSP RFPOctober 7, 2021
13. CSP EvaluationOctober 22, 2021
14. CSP Ranked Order Approved by ChancellorOctober 29, 2021
15. BOR Approval for ConstructionNovember 18, 2021
16. Execute CSP Agreement December 7, 2021
17. Begin Construction December 14, 2021
18. Substantial Completion May 15, 2023
19. Owner Occupancy June 2023

**TEXAS A&M ENGINEERING EXPERIMENT STATION
REVENUE FINANCING SYSTEM
28-3230 Industrial Distribution Building No. 1
Gifts
Back-up Repayment Source: Indirect Cost Recoveries**

Dates	Outstanding Principal	Principal Amount	Interest Amount	Annual Total	Coverage 1.15x
Commercial Paper	9,357,155.60				
YEAR 1	7,540,025.60	1,817,130.00	187,143.00	2,004,273.00	2,304,913.95
YEAR 2	5,724,295.60	1,815,730.00	188,501.00	2,004,231.00	2,304,865.65
YEAR 3	3,863,065.60	1,861,230.00	143,107.00	2,004,337.00	2,304,987.55
YEAR 4	1,955,435.60	1,907,630.00	96,577.00	2,004,207.00	2,304,838.05
YEAR 5	-	1,955,435.60	48,886.00	2,004,321.60	2,304,969.84
		<u>\$ 9,357,155.60</u>	<u>\$ 664,214.00</u>	<u>\$ 10,021,369.60</u>	<u>\$ 11,524,575.04</u>

Short-term rates are assumed to be 2.00% in year 1 and 2.50% in years 2 - 5. Rates are subject to market change.
Assuming that project will remain in commercial paper until paid off in five years.
Prepared by the Office of the Treasurer - Treasury Services 9/15/21

Rates are variable and subject to market change.



Industrial Distribution Building No. 1

Texas A&M Engineering Experiment Station

Project No. 28-3230

Agenda Item No.

AGENDA ITEM BRIEFING

Submitted by: M. Katherine Banks, Ph.D., President
Texas A&M University

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Interior Finishes Renovation Aston Hall Phase II Project, Texas A&M University, College Station, Texas (SSC Project No. 2019-04136)

Background and Prior Actions:

The Interior Finishes Renovation Aston Hall Phase II Project was included as an approved FY2021 project on the FY 2021-2025 A&M System Capital Plan approved by the Board at the August 2021 meeting.

Proposed Board Action:

- (1) Approve the project scope and budget.
- (2) Appropriate \$4,112,785 for construction services and related project costs. Previously appropriated \$663,428 for pre-construction services.
- (3) Approve construction of the Interior Finishes Renovation Aston Hall Phase II Project at Texas A&M University (Texas A&M).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Budget Amount</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Cash – Housing Reserves	<u>\$4,776,213</u>	N/A	N/A
Total Project Funds	<u>\$4,776,213</u>		

Project Justification:

Originally constructed in 1975, Aston Hall is a four-story concrete structure consisting of 240 student rooms, 120 shared bathrooms, study rooms and common areas/spaces. Total net assignable square footage is 78,288.

The existing interior finishes have reached the end of their useful life. Room finishes, bathroom finishes, bathroom fixtures and common area finishes which include study rooms, former typing rooms, and drafting rooms are in need of replacement and updates. Due to change in the use of

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some of these rooms, technology upgrades and upgrades to the room doors need to be included along with the finish upgrades. Privacy partitions, sinks, shower bottoms and plumbing fixtures are in need of constant maintenance and repair. Interior room metal closet doors are failing, and parts are no longer available. Flooring in student rooms and common areas is in need of replacement. A full painting of the entire building interior is needed. Additionally, it is required by the Texas Department of Licensing and Regulation (TDLR) that a portion of the student rooms, student bathrooms, laundries, community toilets, drinking fountains, and community kitchen be accessible.

Scope:

Phase I interior finishes renovation was completed in the summer of 2020 to address a range of room and common area finishes, the majority being on the 3rd and 4th floors of Aston Hall. The majority of the TDLR requirements were also addressed. Phase II will complete the interior finishes renovations for Aston Hall in full which includes approximately 104 resident rooms, one office, eight large study rooms, seven small study rooms, seven community lounges, four community bathrooms and four laundry rooms on the 1st and 2nd floors as well as address the stairwells and fire-rated doors on all four floors.

General construction shall consist of the removal of flooring, patching and painting walls, new signage, electrical outlets, switches, room doors, blinds, metal closets, all bathroom fixtures, shower stalls and building entry/exit doors.

Based on a comprehensive Facilities Condition Assessment, this project will address \$859,195 identified as deferred renewal.

Construction on this project is scheduled to start in December 2021 with substantial completion scheduled for July 2022. The total project budget is \$4,776,213, which is a decrease from the estimate initially stated on the capital plan of \$6,634,281.

Other Major Fiscal Impacts:

None.

Strategic Plan Imperative(s) this Item Advances:

Approval of this agenda item will advance The Texas A&M University System Strategic Imperative 3, by providing students a more comfortable living and study space. Improving the quality of campus life will improve the educational experience for all residents.

Agenda Item No.

TEXAS A&M UNIVERSITY

Office of the President

October 8, 2021

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Project Scope and Budget, Appropriation for Construction Services, and Approval for Construction for the Interior Finishes Renovation Aston Hall Phase II Project, Texas A&M University, College Station, Texas (SSC Project No. 2019-04136)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$4,776,213 for the Interior Finishes Renovation Aston Hall Phase II Project is approved.

The amount of \$4,112,785 is appropriated from Account No. 02-808818, Capital Renewal/DM Housing for construction services and related project costs.

The Interior Finishes Renovation Aston Hall Phase II Project, Texas A&M University, College Station, Texas, is approved for construction.”

Respectfully submitted,

M. Katherine Banks, Ph.D.
President

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Phillip Ray
Vice Chancellor for Business Affairs

**INTERIOR FINISHES RENO ASTON HALL PH2
TEXAS A&M UNIVERSITY
SSC PROJECT NO. 2019-04136**

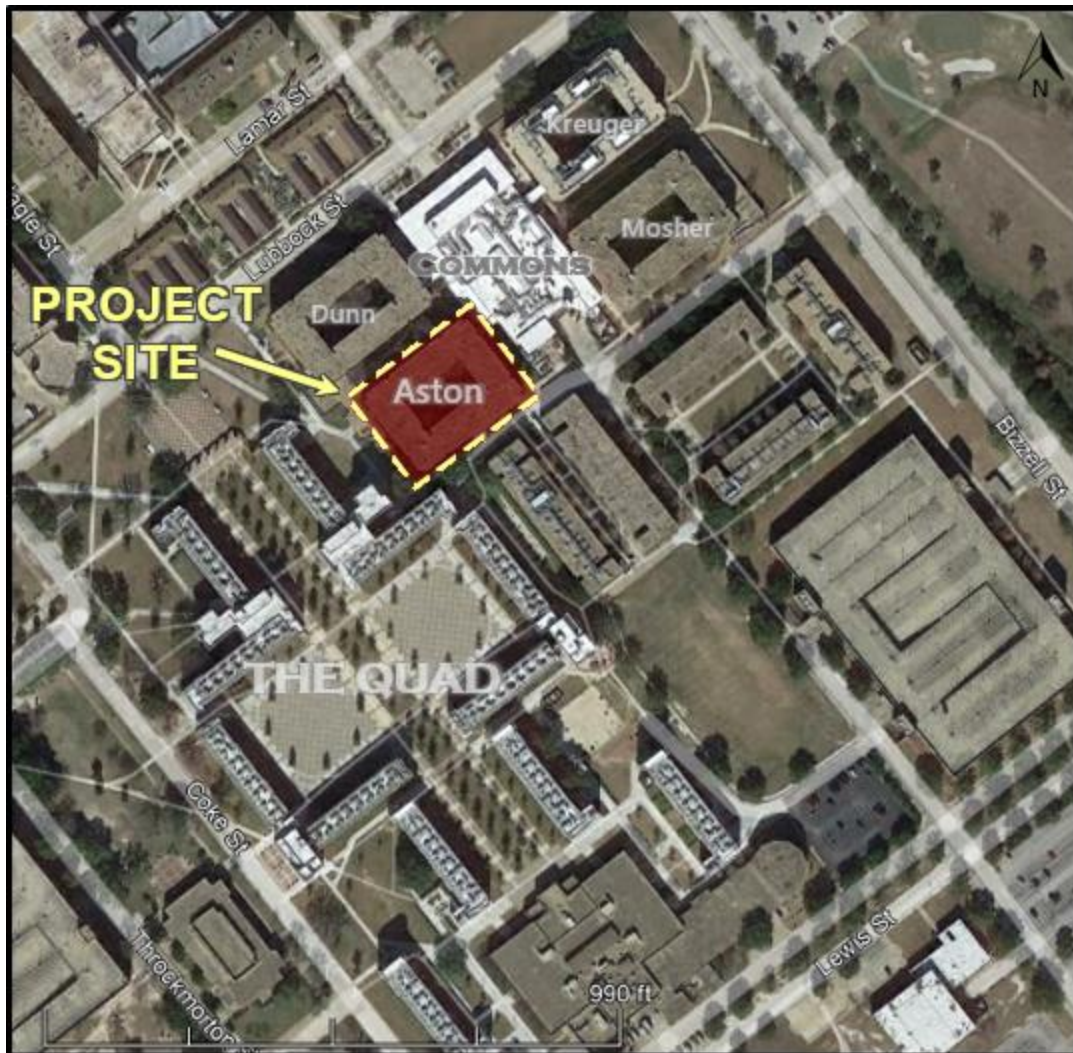
PROJECT BUDGET

1.	Amount Available for Construction Contract.....	\$3,871,000
2.	Owner's Contingency	387,100
3.	Architectural/Engineering Fees	283,500
4.	SSC Project Management Fees	139,113
5.	Campus Services	2,500
6.	Other Services	<u>93,000</u>
7.	TOTAL ESTIMATED COST OF PROJECT.....	<u>\$4,776,213</u>

INTERIOR FINISHES RENO ASTON HALL PH2
TEXAS A&M UNIVERSITY
SSC PROJECT NO. 2019-04136

PROJECT SCHEDULE

1. BOR Approval to Include in Capital Plan August 2020
2. Execute A/E Agreement September 2020
3. Complete Construction Documents April 2021
4. Advertise for Competitive Sealed Proposals (CSPs) August 2021
5. CSP Evaluation September 2021
6. BOR Approval for Construction November 18, 2021
7. Issue Construction Notice to Proceed December 2021
8. Full Demolition & Construction Commences May 16, 2022
9. Substantial Completion July 29, 2022
10. Owner Occupancy August 1, 2022



Interior Finishes Renovation Aston Hall Phase II

Texas A&M University

SSC Project No. 2019-04136

AGENDA ITEM BRIEFING

Submitted by: Billy Hamilton, Deputy Chancellor and Chief Financial Officer
The Texas A&M University System

Subject: Approval of the Revised Project Scope and Budget, Appropriation for Pre-Construction and Construction Services, and Approval for Construction for the TDEM Warehouse at RELIS Project, Texas Division of Emergency Management, Bryan, Texas (Project No. 30-3338)

Background and Prior Actions:

The TDEM Warehouse at RELIS Project was approved by the Board to be added to the FY 2021 – FY 2025 A&M System Capital Plan for \$10,400,000 and approved for construction at the November 2020 meeting. Additionally, \$1,000,000 was appropriated under the chancellor’s supplemental appropriation authority per System Policy [51.04, Delegations of Authority on Construction Projects](#) on July 30, 2021, resulting in the current project budget amount of \$11,400,000. The project was included as an approved project on the FY 2022 – FY 2026 A&M System Capital Plan at the Board’s August 2021 meeting.

Proposed Board Action:

- (1) Approve the revised project scope and budget.
- (2) Appropriate \$24,150,000 for pre-construction and construction services and related project costs. \$11,400,000 has been previously appropriated.
- (3) Revert \$6,200,000 Revenue Financing System Debt Proceeds back to the A&M System. This funding will be replaced by Cash (General Revenue).
- (4) Approve for construction the additional work scope outlined in this agenda item for the TDEM Warehouse at RELIS Project for Texas Division of Emergency Management (TDEM).

Funding/Budget Amount:

<u>Funding Source</u>	<u>Original Budget</u>	<u>Proposed Adjustment</u>	<u>Revised Budget</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Cash (Emergency Management Preparedness Grant – Supplemental [EMPG-S] Funds)	\$5,200,000	\$0	\$5,200,000	N/A	N/A
Revenue Financing System Debt Proceeds	\$6,200,000	(\$6,200,000)	\$0	N/A	N/A

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<u>Funding Source</u>	<u>Original Budget</u>	<u>Proposed Adjustment</u>	<u>Revised Budget</u>	<u>Average Estimated Annual Debt Service</u>	<u>Debt Service Source</u>
Cash (General Revenue)	<u>\$0</u>	<u>\$24,150,000</u>	<u>\$24,150,000</u>	N/A	N/A
Total Project Funds	<u>\$11,400,000</u>	<u>\$17,950,000</u>	<u>\$29,350,000</u>		

Project Justification:

The TDEM Warehouse at RELLIS Project was initially defined to include a storage and distribution center for Personal Protective Equipment (PPE) and other disaster response supplies and materials, and office space for operations during an activation event. The facility would also function as a staging area for disaster response (responders, bus drivers, etc., would muster here in preparation of assignment to a disaster area), and showers were provided within the warehouse with sleep space for up to 200 cots within the warehouse aisles between pallets.

The initial Program of Requirements (POR) for the RELLIS Warehouse project detailed a 58,000 gross square foot (GSF) building comprised of 52,930 net square feet (NSF) of warehouse space, six offices, break room, conference room that doubled as an Emergency Operations Center, work room, storage closet, mother's room, two five-stall restrooms and shower/changing rooms for use by staff and responders at an estimated cost of \$10.4 million, which was the identified budget at the time. Due to budget constraints from unprecedented COVID pricing, the program did not match the original concept for the functionality of the site. As design progressed, the building size was decreased to 44,992 GSF – 40,850 GSF of warehouse space and 4,142 GSF of office space.

When a different funding stream became available, TDEM desired to return to the original concept for the site, plus the following additions to the POR scope: Emergency Operations Center and radio room, training room and instructor preparation room, 12-seat conference room, nine additional offices, space for eight cubicle stations, greater restroom capacity, additional parking, and a large multi-purpose room for use as a sleeping area for responders, meeting room for large disaster response exercises, etc. With this re-design, the building size increases to approximately 96,000 gross square feet.

Scope:

The facility will include a warehouse of approximately 60,000 GSF; a 5,805 GSF shipping office including a break room, restrooms and shower facilities; a 30,020 GSF Regional Headquarters office including 23 offices, an Emergency Operations Center, a 30-person classroom/training room, two conference rooms and a larger multipurpose space on the second level that can be used as a sleeping area and/or a conference space for larger training exercises. Additional parking has also been added for over 80 spaces. The foundation will be designed to support storage racks and 18 wheelers. The warehouse portion will be climate controlled throughout to preserve the PPE.

Construction is expected to start in January 2022 with substantial completion scheduled for April 2023. The total project budget is \$29,350,000.

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Other Major Fiscal Impacts:

None.

Strategic Plan Imperative(s) this Item Advances:

Approval of this agenda item will advance The A&M System Strategic Imperative 6 (“The A&M System, in adhering to the high standard of excellence and growth required in this strategic plan, will display prudent financial stewardship and sustainability.”).

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM
FACILITIES PLANNING AND CONSTRUCTION
Office of the Deputy Chancellor and Chief Financial Officer
October 28, 2021

Members, Board of Regents
The Texas A&M University System

Subject: Approval of the Revised Project Scope and Budget, Appropriation for Pre-Construction and Construction Services, and Approval for Construction for the TDEM Warehouse at RELLIS Project, Texas Division of Emergency Management, Bryan, Texas (Project No. 30-3338)

I recommend adoption of the following minute order:

“The project scope along with a project budget of \$29,350,000 for the TDEM Warehouse at RELLIS Project is approved.

The amount of \$24,150,000 is appropriated from Account No. 30-100402, State Funds-Regional Staging Areas, for pre-construction and construction services and related project costs. The amount of \$6,200,000 is reverted back to 01-083538 Revenue Financing System Debt Proceeds (Lease Revenue).

The TDEM Warehouse at RELLIS Project, Texas Division of Emergency Management, Bryan, Texas, is approved for construction.

Respectfully submitted,

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Approval Recommended:

Approved for Legal Sufficiency:

John Sharp
Chancellor

Ray Bonilla
General Counsel

Phillip Ray
Vice Chancellor for Business Affairs

W. Nim Kidd
Vice Chancellor for Disaster and Emergency Services
Texas Division of Emergency Management

ATTACHMENT TO ITEM

TDEM WAREHOUSE AT RELLIS	PROJECT BUDGET
TEXAS DIVISION OF EMERGENCY MANAGEMENT	
PROJECT NO. 30-3338	

1. Construction	\$25,700,000
2. Project Contingency	918,772
3. Program of Requirements.....	0
4. Pre-Construction Services	1,120,525
5. Commissioning Services	73,000
6. Construction Testing	140,000
7. Campus Services & Technology	290,000
8. Furnishings	0
9. Equipment	110,274
10. Other Project Costs.....	240,429
11. FPC Management	<u>757,000</u>
12. TOTAL ESTIMATED COST OF PROJECT	<u>\$29,350,000</u>

1. BOR Approval to Include in Capital Plan	November 12, 2020
2. BOR Approval for Construction	November 12, 2020
3. Issue DB Request for Qualifications (RFQ)	March 3, 2021
4. Receive DB RFQ Response	March 10, 2021
5. Issue DB RFP to Shortlist	March 16, 2021
6. Shortlist DB Firms	March 17, 2021
7. Receive DB Pricing	March 23, 2021
8. Interview DB Firms	March 29, 2021
9. Chancellor Approval of DB Rank Order	April 8, 2021
10. DB Notice to Proceed/Design Kick-Off	May 21, 2021
11. Execute DB Agreement	May 25, 2021
12. Submit THECB Application for Review	May 27, 2021
13. Complete Schematic Design	October 23, 2021
14. Complete Design Development	November 4, 2021
15. BOR Approval to Increase Project Scope and Budget	November 18, 2021
16. Receive GMP from DB	December 13, 2021
17. Complete Construction Documents	January 8, 2022
18. Issue Construction Notice to Proceed	January 10, 2022
19. Substantial Completion	April 2023
20. Owner Occupancy	June 2023



TDEM Warehouse at RELLIS

Texas Division of Emergency Management

Project No. 30-3338

Facilities Planning & Construction Project Status Report

Effective 10/29/2021

Projects in Planning	20 Projects	\$981,054,356
Projects in Design	9 Projects	\$229,934,409
Projects in Construction	13 Projects	\$498,292,438
Projects in Private Development	18 Projects	\$1,163,252,000
Combined Total:	60 Projects	\$2,872,533,203

Projects in Planning:

Austin, TX

30-3317	TDEM Headquarters and State Emergency Operations Center	\$254,600,000 Unfunded
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Canyon, TX

18-3363	Bain Athletic Expansion	\$6,200,000 FY2024
18-3364	Old Education Building Renovation	TBD Unfunded

College Station, TX

02-3343	The Bright Building Area Development	\$150,000,000 Unfunded
02-3347	Doherty Building Renovation	\$20,000,000 FY2022
06-3344	Borlaug Center Renovation + Addition	\$49,004,456 FY2022
28-3324	Nuclear Engineering Education Building	\$11,500,000 FY2023
02-3345	CUP Generator Replacement Project	\$26,500,000 FY2022

Commerce, TX

21-3337	Student Services Building	\$19,500,000 FY2022
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Corpus Christi, TX

15-3268	Arts & Media Building	\$92,500,000 Unfunded
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Ft. Worth, TX

01-3358	Research Alliance Building at Fort Worth	TBD
01-3359	Academic Alliance Building at Fort Worth	TBD
02-3243	Law School Building	\$85,000,000 FY2023

Galveston, TX

10-3353	Infrastructure, Dock Improvements, and Ship FF&E - Phil	\$35,000,000 FY2022
10-3354	Infrastructure, Dock Improvements, and Ship FF&E - Phil	\$10,000,000 FY2022

Houston, TX

23-3320	Texas A&M University TMC3 Biomedical Research Building	\$100,000,000 FY2020
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San Antonio, TX

25-3305	New Recreation Center	\$18,249,900 FY2020
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Stephenville, TX

04-3326	Tarleton State University Parking Garage	\$31,000,000 FY2022
04-3360	College of Health Science	\$72,000,000 Unfunded
04-3361	Library Expansion	TBD

Total of Projects in Planning**\$981,054,356****Projects in Design:****Bryan, TX**

01-3331	RELLIS Runway 35R Rehabilitation Kimley-Horn and Associates, Inc.	\$5,372,000
26-3350	RELLIS Substation Powers Engineering via BTU/City of Bryan	\$6,391,000
28-3230	Industrial Distribution Building No. 1 Energy Architecture	\$20,020,000
28-3231	Technology Innovation and Modernization Catalyst Energy Architecture	\$10,000,000
28-3341	TEES Detonation Research Test Facility Gessner Engineering, LLC	\$5,000,000
30-3338	TDEM Warehouse at RELLIS Page/	\$11,400,000

College Station, TX

02-3279	Business Education Complex Kirksey Architecture	\$73,806,409
09-3269	Brayton New Administrative and Classroom Facility PBK Architects	\$31,945,000

Ft. Worth, TX

04-3281 Fort Worth Building #2
Perkins+Will, Inc.

\$66,000,000

Total of Projects in Design

\$229,934,409

Projects in Construction:

Bryan, TX

01-3323 RELLIS Campus Infrastructure Phase III-A		\$14,412,685
Bartlett Cocke General Contractors	Substantial Completion Date:	05/19/2022
Status: On Schedule	Construction Work Completed:	35%
02-3304 Joint Library Facility - Module 3		\$7,500,000
Bartlett Cocke General Contractors	Substantial Completion Date:	12/21/2021
Status: On Schedule	Construction Work Completed:	95%
28-3298 Innovative Technologies Development Complex		\$76,274,018
J. T. Vaughn Construction, LLC	Substantial Completion Date:	02/10/2022
Status: On Schedule	Construction Work Completed:	99%
28-3321 Ballistic Aero-Optics and Materials Facility		\$49,660,000
Bartlett Cocke General Contractors	Substantial Completion Date:	12/22/2022
Status: On Schedule	Construction Work Completed:	15%
28-3322 BCDC: Innovation Proving Grounds		\$32,000,000
J. T. Vaughn Construction, LLC	Substantial Completion Date:	07/29/2022
Status: On Schedule	Construction Work Completed:	3%

College Station, TX

02-3267 South Campus Recreation Center		\$35,062,500
Manhattan Construction Company	Substantial Completion Date:	07/06/2022
Status: On Schedule	Construction Work Completed:	38%
02-3272 Instructional Laboratory & Innovative Learning Building (ILSQ)		\$100,059,818
J. T. Vaughn Construction, LLC	Substantial Completion Date:	10/28/2022
Status: On Schedule	Construction Work Completed:	55%
02-3277 West Campus Dining Facility		\$15,000,000
Jordan Foster Construction LLC	Substantial Completion Date:	06/25/2021
Status: Behind Schedule	Construction Work Completed:	80%
02-3316 SUP3 Expansion		\$20,930,520
ACO Mechanical, LTD.	Substantial Completion Date:	03/01/2023
Status: On Schedule	Construction Work Completed:	3%

Prairie View, TX

05-3300 Engineering Classroom & Research Building		\$70,000,000
J. T. Vaughn Construction, LLC	Substantial Completion Date:	05/26/2023
Status: On Schedule	Construction Work Completed:	6%

San Antonio, TX

25-3265 Academic and Administration Building - Phase II		\$53,000,000
Thos. S. Byrne, Inc.	Substantial Completion Date:	06/09/2022
Status: On Schedule	Construction Work Completed:	46%

Stephenville, TX

04-3264	Aquatics Center		\$11,307,950
Lott Brothers Construction Company, Ltd.		Substantial Completion Date:	08/16/2021
Status:	Behind Schedule	Construction Work Completed:	85%
04-3340	Tarleton ESCO 2021		\$13,084,947
Ameresco		Substantial Completion Date:	09/30/2022
Status:	On Schedule	Construction Work Completed:	10%

Total of Projects in Construction	\$498,292,438
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Projects in Private Development:

Bryan, TX

01-3285	Data Center	\$150,000,000
01-3286	Commercial Office Building	\$17,000,000
01-3287	Student Support Building	\$12,000,000
01-3336	Blinn at RELLIS Phase 2	\$25,600,000
26-3352	RELLIS 5G Network	\$60,000
26-3355	BTU Substation at RELLIS	TBD

Canyon, TX

18-3332	WTAMU Hotel Development	\$10,000,000
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College Station, TX

01-3362	2K BioReactor Suite	TBD
02-3165	Century Square	\$355,000,000
02-3289	Intergenerational Living Center	\$35,000,000
02-3325	Jon L. Hagler Center Renovation - Garden Level Expansion	\$2,892,000
02-3329	Aggie Park	\$25,000,000

Commerce, TX

21-3292	Development Tract (~8 acres at corner of Culver and Hwy 24)	\$10,000,000
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Dallas, TX

23-3328	Dentistry Development Tract	\$30,000,000
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Houston, TX

23-3293	Innovation Plaza	\$401,000,000
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Prairie View, TX

05-3335	50 Acre Development Tract	\$80,000,000
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Stephenville, TX

04-3327	Hotel & Conference Center	TBD
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Texarkana, TX

22-3217	Student Recreation Center at TAMU-T	\$9,700,000
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Total of Projects in Private Development	\$1,163,252,000
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Agenda Item No.

AGENDA ITEM BRIEFING

Submitted by: John Sharp, Chancellor
The Texas A&M University System

Subject: Appointment of Vice Chancellor for Research

Proposed Board Action:

Appoint Dr. Y.A. (Joe) Elabd as vice chancellor for research, The Texas A&M University System.

Background Information:

Subsequent to Dr. Elabd's appointment as interim vice chancellor for research at the Board of Regents' August 26, 2021 meeting, Dr. Elabd is recommended for the position of vice chancellor for research upon approval of the Board of Regents. Dr. Elabd brings to the position administrative experience commensurate with the responsibilities. A copy of his resumé is attached.

In this administrative role, Dr. Elabd assumes responsibility for providing leadership and services to support all 19 system members in areas including research development, research partnerships, research strategy, research compliance, and intellectual property and commercialization.

Dr. Elabd is also serving as the associate dean for research in the College of Engineering at Texas A&M University. In his role as associate dean, Dr. Elabd leads industry and non-profit partnerships and helps guide research strategy, research development, and proposal development, and coordinates with multiple Texas A&M Engineering Experiment Station (TEES) offices, including contracts, ethics and compliance, and commercialization and entrepreneurship.

A&M System Funding or Other Financial Implications:

Dr. Elabd's initial salary will be \$425,000 (75% compensation by Texas A&M University and 25% compensation by The Texas A&M University System).

Strategic Plan Imperative(s) this Item Advances:

As the system's vice chancellor, Dr. Elabd's responsibilities encompass the system's progression in all eight imperatives: access for students, affordable learning, engaged and successful graduates, research, responding to the needs of Texans as the state's land-grant university, maintaining financial responsibility, leading in national and global initiatives, and sustaining long-term growth.

Agenda Item No.

THE TEXAS A&M UNIVERSITY SYSTEM

Office of the Chancellor

November 9, 2021

Members, Board of Regents
The Texas A&M University System

Subject: Appointment of Vice Chancellor for Research

I recommend adoption of the following minute order:

“Effective immediately, Dr. Y.A. (Joe) Elabd is hereby appointed vice chancellor for research at The Texas A&M University System, at an initial salary of \$425,000.”

Respectfully submitted,

John Sharp
Chancellor

Approval Recommended:

Approved for Legal Sufficiency:

Billy Hamilton
Deputy Chancellor and
Chief Financial Officer

Ray Bonilla
General Counsel

(JOE) YOSSEF A. ELABD, Ph.D.

Interim Vice Chancellor for Research

The Texas A&M University System (TAMUS)

Associate Dean for Research, College of Engineering

Axalta Coating Systems Chair II, Artie McFerrin Department of Chemical Engineering

Texas A&M University (TAMU)

TAMUS

Moore/Connally Building

301 Tarrow Street, 7th Floor, 1122 TAMU, College Station, TX 77840-7896

E-mail: yelabd@tamus.edu, phone: 979.458.5598

TAMU

Zachry Engineering Education Complex (ZACH)

125 Spence Street, Suite 500, 3126 TAMU, College Station, TX 77843-3126

E-mail: elabd@tamu.edu, phone: 979.862.3946

EDUCATION

2001 Ph.D., **Johns Hopkins University**, Chemical Engineering

1995 B.S., **University of Maryland, Baltimore County**, Chemical Engineering

APPOINTMENTS

2014-present **TAMUS & TAMU**, College Station, TX

2020-present Axalta Coating Systems Chair II, Chemical Engineering

2019-present Associate Dean for Research, Engineering

2017-present Professor, Materials Science and Engineering (Courtesy Appointment)

2014-present Professor, Chemical Engineering (Primary Appointment)

2017-2020 Joe M. Nesbitt Professor, Chemical Engineering

2016-2019 Associate Department Head, Chemical Engineering

2016-2019 Undergraduate Program Director, Chemical Engineering

2003-2014 **Drexel University**, Philadelphia, PA

2013-2014 Professor, Chemical and Biological Engineering

2009-2013 Associate Professor, Chemical and Biological Engineering

2003-2009 Assistant Professor, Chemical and Biological Engineering

2008-2018 **Università di Bologna (UNIBO)**, Bologna, Italy

2018, 2 wk. Visiting Professor (UNIBO funded)

2015, 1 mo. Senior Fellow, Istituto di Studi Avanzati (UNIBO funded)

2010, 2 wk. Visiting Scholar (NSF Funded)

2008, 2 mo. Visiting Scholar (NSF Funded)

2011 **Food & Drug Administration**, Silver Spring, MD

2011, 5 mo. Scholar in Residence, Biomedical Devices Division (NSF Funded)

2001-2003 **U.S. Army Research Laboratory**, Aberdeen, MD

2001-2003 NRC Postdoctoral Fellow, Materials Division

1996 **SCM Chemicals**, Baltimore, MD

1996 R&D Chemical Engineer

HONORS AND AWARDS

2020-present	Axalta Coating Systems Chair II
2017-2020	Joe M. Nesbitt Professorship
2016	American Physical Society Fellow
2015	Senior Fellowship, Istituto di Studi Avanzati, Università di Bologna (UNIBO)
2007-2012	NSF CAREER Award
2005-2006	DuPont Science and Engineering Award
2004-2007	ARO Young Investigator Award
2001-2003	NRC Postdoctoral Award
1994	Phi Kappa Phi Honors
1993	AIChE Donald F. Othmer Sophomore Academic Excellence Award
1992	Memorial Scholarship of the Engineering Society of Baltimore

RESEARCH

RESEARCH EXPERTISE

Materials – Polymer Science and Engineering

Energy – Electrochemical Engineering

EXTERNAL RESEARCH SPONSORS

Current – ARO, DOE, Kraton Corp., NSF, Seadrift LLC

Previous – ARL, ARO, Axalta Coating Systems, Benjamin Franklin Technology Partners, DuPont, Kraton Corp., DTRA, Kuraray America, Inc., NSF, Perma Pure LLC, USDA

PUBLICATIONS

1. Hwang, M.; Nixon, K.; Sun, R.; Willis, C.; Elabd, Y.A. Sulfonated Pentablock Terpolymers as Membranes and Ionomers in Hydrogen Fuel Cells. *J. Membr. Sci.* **2021**, 633, 119330, 1-11.
2. Hwang, M.; Sun, R.; Willis, C.; Elabd, Y.A. Solid-State Alkaline Fuel Cell Performance of Pentablock Terpolymer with Methylpyrrolidinium Cations as Anion Exchange Membrane and Ionomer. *Fuel Cells* **2020**, 20, 624-633.
3. Chen, T.-L.; Sun, R.; Willis, C.; Krutzer, B.; Morgan, B.; Beyer, F.L.; Han, K.S.; Murugesan, V.; Elabd, Y.A. Impact of Ionic Liquid on Lithium Ion Battery with a Solid Poly(Ionic Liquid) Pentablock Terpolymer as Electrolyte and Separator. *Polymer* **2020**, 209, 122975, 1-12.
4. Li, Y.; Van Cleve, T.; Sun, R.; Gawas, R.; Wang, G.; Tang, M. Elabd, Y.A.; Snyder, J.; Neyerlin, K.C. Modifying the Electrocatalyst-Ionomer Interface via Sulfonated Poly(ionic liquid) Block Copolymers to Enable High-Performance Polymer Electrolyte Fuel Cells. *ACS Energy Lett.* **2020**, 5, 1726-1731.
5. Lathrop, P.M.; Duan, Z.; Ling, C.; Elabd, Y.A.; Kravaris, C. Modeling and Observer-Based Monitoring of RAFT Homopolymerization Reactions. *Processes* **2019**, 7, 768. **Invited Contribution, Special Issue on Computational Methods for Polymers**
6. Hwang, M.; Karenson, M.O.; Elabd, Y.A. High Production Rate of High Purity, High Fidelity Nafion Nanofibers via Needleless Electrospinning. *ACS Appl. Polym. Mater.* **2019**, 1, 2731-2740.
7. Sun, R.; Meek, K.M.; Ho, H.C.; Elabd, Y.A. Nitrogen-Doped Carbons Derived from Poly(ionic liquid)s of Various Backbones and Cations. *Polym. Int.* **2019**, 68, 1599-1609. **Invited Contribution, Special Issue on Ionic Liquids in Polymer Science & Engineering: From Molecular Design to Energy & Beyond**

8. Sun, R.; Elabd, Y.A. Synthesis and High Alkaline Chemical Stability of Polyionic Liquids with Methylpyrrolidinium, Methylpiperidinium, Methylazepanium, Methylazocanium, and Methylazonanium Cations. *ACS Macro Letters* **2019**, *8*, 540-545.
9. Elabd, Y.A. Ion Transport in Hydroxide Conducting Block Copolymers. *Molecular Systems Design & Engineering*, **2019**, *4*, 519-530. **Invited Contribution, Special Issue on Charge Transporting Nanostructured Polymers for Electrochemical Systems**
10. Hwang, M.; Elabd, Y.A. Impact of Ionomer Resistance in Nanofiber-Nanoparticle Electrodes for Ultra-Low Platinum Fuel Cells. *Int. J. Hydrogen Energy* **2019**, *44*, 6245-6256.
11. Chen, T.-L.; Sun, R.; Willis, C.; Morgan, B.F.; Beyer, F.L.; Elabd, Y.A. Lithium Ion Conducting Polymerized Ionic Liquid Pentablock Terpolymers as Solid-State Electrolytes. *Polymer* **2019**, *161*, 128-138.
12. Meek, K.M.; Sun, R.; Willis, C.; Elabd, Y.A. Hydroxide Conducting Polymerized Ionic Liquid Pentablock Terpolymer Anion Exchange Membranes with Methylpyrrolidinium Cations. *Polymer* **2018**, *134*, 221-226.
13. Santos, M.C.; Bendiksen, B.; Elabd Y.A. Diffusion of Liquid Water in Free-Standing Polymer Films using Pressure-Contact Time-Resolved Fourier Transform Infrared Attenuated Total Reflectance Spectroscopy. *Ind. Eng. Chem Res.* **2017**, *56*, 3464–3476.
14. Chen, T.-L.; Elabd, Y.A. Hybrid-Capacitors with Polyaniline/Carbon Electrodes Fabricated via Simultaneous Electrospinning/Electrospraying. *Electrochimica Acta* **2017**, *229*, 65-72.
15. Nykaza, J.R.; Li, Y.; Elabd, Y.A.; Snyder, J.D. Effect of Alkaline Exchange Polymerized Block Copolymer Ionomers on the Kinetics of Fuel Cell Half Reactions. *J. Electroanalytical Chem.* **2016**, *783*, 182-187.
16. Nykaza, J.R.; Savage, A.M.; Pan, Q.; Wang, S.; Beyer, F.L.; Tang, M.H.; Li, C.Y.; Elabd, Y.A. Polymerized Ionic Liquid Diblock Copolymer as Solid-State Separator and Electrolyte in Lithium-Ion Battery. *Polymer* **2016**, *101*, 311-318.
17. Nykaza, J.R.; Benjamin, R.; Meek, K.M. Elabd, Y.A. Polymerized Ionic Liquid Diblock Copolymer as an Ionomer and Anion Exchange Membrane for Alkaline Fuel Cells. *Chemical Engineering Science* **2016**, *154*, 119-127. **Invited Contribution, Special Issue on Recent Advances in Energy Conversion and Storage Devices**
18. Meek, K.M.; Elabd, Y.A. Sulfonated Polymerized Ionic Liquid Block Copolymers. *Macromolecular Rapid Comm.* **2016**, *37*, 1200-1206. **Invited Contribution, Special Issue on Ionic Liquids in Polymer Design**
19. Meek, K.M.; Nykaza, J.R.; Elabd, Y.A. Alkaline Chemical Stability and Ion Transport in Polymerized Ionic Liquids with Various Backbones and Cations. *Macromolecules* **2016**, *49*, 3382-2294.
20. Santos, M.; Jing, Y.; Fang, L.; Chaplin, B.P; Elabd Y.A. Highly Porous Ti4O7 Reactive Electrode Water Filtration Membranes via Simultaneous Electrospinning/Electrospraying

Method. *AIChE J.* **2016**, *62*, 508-524. **Invited Contribution, Special Issue on Advances in Materials**

21. Nykaza, J.R.; Ye, Y.; Nelson, R.L.; Jackson, A.C.; Beyer, F.L.; Davis, E.M.; Page, K.A. Sharick, S.; Winey, K.I.; Elabd, Y.A. Polymerized Ionic Liquid Diblock Copolymers: Impact of Water/Ion Clustering on Ion Conductivity. *Soft Matter* **2016**, *12*, 1133-1144.

22. Long, T.E.; Elabd, Y.A.; Yuan, J. Ionic Liquids in Polymer Design. *Macromolecular Rapid Comm.* **2016**, *37*, 1105. **Invited Contribution, Special Issue on Ionic Liquids in Polymer Design**

23. Meek, K.M.; Elabd, Y.A. Polymerized Ionic Liquid Block Copolymers for Electrochemical Energy. *Journal of Materials Chemistry A* **2015**, *3*, 24187-24194. **Invited Contribution**

24. Meek, K.M.; Elabd, Y.A. Alkaline Chemical Stability of Polymerized Ionic Liquids with Various Cations. *Macromolecules* **2015**, *48*, 7071-7084.

25. Tran, C.; Lawrence, D.; Richey, F.W.; Dillard, C.; Elabd, Y.A.; Kalra, V. Binder-free Three-dimensional High Energy Density Electrodes for Ionic-Liquid Supercapacitors. *Chem. Commun.* **2015**, *51*, 13670-13763.

26. Meek, K.M.; Sharick, S.; Ye, Y.; Winey, K.I.; Elabd, Y.A. Bromide and Hydroxide Conductivity-Morphology Relationships in Polymerized Ionic Liquid Block Copolymers. *Macromolecules* **2015**, *48*, 4850-4862.

27. Ansaloni, L.; Nykaza, J.R.; Ye, Y.; Elabd, Y.A.; Giacinti Baschetti, M. Influence of Water Vapor on the Gas Permeability of Polymerized Ionic Liquid Membranes. *J. Membr. Sci.*, **2015**, *487*, 199-208.

28. Salazar, M.; Richey, F.; Elabd, Y.A.; Reznikov, M. Further Improvement of the Ionic Thermoelectric Generator. *IEEE Transactions on Industrial Applications* **2015**, *51*, 1132-1136.

29. Richey, F.W.; Tran, C.; Kalra, V.; Elabd, Y.A. Ionic Liquid Dynamics in Nanoporous Carbon Nanofibers in Supercapacitors Measured with *in operando* Infrared Spectroelectrochemistry. *J. Phys. Chem. C*, **2014**, *118*, 21846- 21855.

30. Forrey, C.; Saylor, D.M.; Silverstein, J.S.; Douglas, J.F.; Davis, E.M.; Elabd, Y.A. Prediction and Validation of Diffusion Coefficients in a Model Drug Delivery System Using Microsecond Atomistic Molecular Dynamics Simulation and Vapor Sorption Analysis. *Soft Matter* **2014**, *10*, 7480-7494.

31. Nykaza, J.R.; Ye, Y.; Elabd, Y.A. Polymerized Ionic Liquid Diblock Copolymers with Long Alkyl Side-Chain Length. *Polymer* **2014**, *55*, 3360-3369. **Invited Contribution, Special Issue on Polymerized Ionic Liquids**

32. Wang, X.; Richey, F.W.; Wujcik, K.; Ventura, R.; Mattson, K.; Elabd, Y.A. Effect of Polytetrafluoroethylene on Ultra-Low Platinum Loaded Electrospun/Electrosprayed Electrodes in Proton Exchange Membrane Fuel Cells. *Electrochimica Acta* **2014**, *139*, 217-224.

33. Zhang, L.; Kucera, L.R.; Ummadisetty, S.; Nykaza, J.R.; Elabd, Y.A.; Story, R.F.; Cavicchi, K.A.; Weiss, R.A. Supramolecular Multiblock Polystyrene-Polyisobutylene Copolymers via Ionic Interactions. *Macromolecules* **2014**, *47*, 4387-4396.
34. Wang, X.; Richey, F.W.; Wujcik, K.; Elabd, Y.A. Ultra-Low Platinum Loadings in Proton Exchange Membrane Fuel Cell Electrodes Fabricated via Simultaneous Electrospinning/Electrospraying Method. *J. Power Sources* **2014**, *264*, 42-48.
35. Dever, D.O.; Cairncross, R.A.; Elabd, Y.A. Nanofiber Cathode Catalyst Layer Model for a Proton Exchange Membrane Fuel Cell. *J. Fuel Cell Sci. & Tech.* **2014**, *11*, 041007, 1-13.
36. Choi, U.H.; Ye, Y.; Salas de la Cruz, D.; Liu, W.; Winey, K.I.; Elabd, Y.A.; Runt, J.; Colby, R.H. Dielectric and Viscoelastic Responses of Imidazolium-Based Ionomers with Different Counterions and Side Chain Lengths. *Macromolecules* **2014**, *47*, 777-790.
37. Liu, Y.; Kim, E.; Lee, M.E.; Zhang, B.; Elabd, Y.A.; Wang, Q.; White, I.M. Bentley, W.E.; Payne, G.F. Enzymatic Writing to Soft Films: Potential to Filter, Store and Analyze Biologically-relevant Chemical Information. *Adv. Funct. Mater.* **2014**, *24*, 480-491.
38. Davis, E.M.; Elabd, Y.A. Water Clustering in Glassy Polymers. *J. Phys. Chem. B* **2013**, *117*, 10629-10640.
39. Price, S.C.; Ren, X.; Jackson, A.C.; Ye, Y.; Elabd, Y.A.; Beyer, F.L. Bicontinuous Alkaline Fuel Cell Membranes from Strongly Self-Segregating Block Copolymers. *Macromolecules* **2013**, *46*, 7332-7340.
40. Davis, E.M.; Elabd Y.A. Prediction of Water Solubility in Glassy Polymers Using Nonequilibrium Thermodynamics. *Ind. Eng. Chem. Res.* **2013**, *52*, 12865-12875.
41. Richey, F.W.; Dyatkin, B.; Gogotsi, Y.; Elabd, Y.A. Ion Dynamics in Porous Carbon Electrodes in Supercapacitors using in situ Infrared Spectroelectrochemistry. *J. Amer. Chem. Soc.* **2013**, *135*, 12818-12826.
42. Choi, J.-H.; Ye, Y.; Elabd, Y.A.; Winey, K.I. Network Structure and Strong Microphase Separation for High Ion Conductivity in Polymerized Ionic Liquid Block Copolymers. *Macromolecules* **2013**, *46*, 5290-5300.
43. Davis, E.M.; Minelli, M.; Baschetti, M.G.; Jr.; Elabd, Y.A. Non-Fickian Diffusion of Water in Polylactide. *Ind. Eng. Chem. Res.* **2013**, *52*, 8664-8673. **Invited Contribution, Professor Giulio Sarti Festschrift**
44. Ye, Y.; Wang, S.; Davis, E.M.; Winey, K.I.; Elabd Y.A. High Hydroxide Conductivity in Polymerized Ionic Liquid Block Copolymers. *ACS Macro Letters* **2013**, *2*, 575-580.
45. Ye, Y.; Stokes, K.K.; Beyer, F.L.; Elabd, Y.A. Development of Phosphonium-based Bicarbonate Anion Exchange Polymer Membranes. *J. Membrane Sci.* **2013**, *443*, 93-99.
46. Richey, F.W.; Elabd, Y.A. In Situ Spectroscopic Measurements of Individual Cation and Anion Dynamics in a RuO₂ Electrochemical Capacitor. *J. Electrochem. Soc.* **2013**, *160*, A862-A868.

47. Salerno, H.L.S.; Elabd, Y.A. Anion Exchange Membranes Derived from Nafion Precursor for Alkaline Fuel Cells: Effect of Cation Type on Properties. *J. Appl. Polym. Sci.* **2013**, *127*, 298-307.
48. Salazar, M.; Richey, F.; Elabd Y.; Reznikov, M. Further Improvement of Ionic Thermoelectric Generator. *2013 IEEE Industrial Applications Society Annual Meeting Proceedings*, **2013**, 1-3.
49. Richey, F.W.; Elabd, Y.A. In Situ Molecular Level Measurements of Ion Dynamics in an Electrochemical Capacitor. *J. Phys. Chem. Lett.* **2012**, *3*, 3297-3301.
50. Davis, E.M.; Minelli, M.; Baschetti, M.G.; Jr.; Sarti, G.C.; Elabd, Y.A. Nonequilibrium Sorption of Water in Polylactide. *Macromolecules*, **2012**, *45*, 7486-7494.
51. Ye, Y.; Choi, J.-H.; Winey, K.I.; Elabd, Y.A. Polymerized Ionic Liquid Block and Random Copolymers: Effect of Weak Microphase Separation on Ion Transport. *Macromolecules* **2012**, *45*, 7027-7035.
52. Salerno, H.L.S.; Beyer F.L.; Elabd, Y.A. Anion Exchange Membranes Derived from Nafion Precursor for Alkaline Fuel Cells. *J. Polym. Sci. Part B: Polym. Phys.* **2012**, *50*, 552-562.
53. Salas-de la Cruz, D.; Green, M.D.; Ye, Y.; Elabd, Y.A.; Long, T.E.; Winey, K.I. Correlating Backbone-to-Backbone Distance to Ionic Conductivity in Amorphous Polymerized Ionic Liquids. *J. Polym. Sci.: Part B: Pol. Phys.* **2012**, *50*, 338-346.
54. Smith, D.M.; Dong, B.; Marron, R.W.; Birnkrant, M.J.; Elabd, Y.A.; Natarajan, L.V.; Tondiglia, V.P.; Bunning, T.J.; Li, C.Y. Tuning Ionic Conducting Pathways Using Holographic Polymerization. *Nano Letters* **2012**, *12*, 310-314. 55. Ye, Y.; Choi, J.-H.; Winey, K.I.; Elabd, Y.A. Polymerized Ionic Liquids: Comparing Ion Transport-Morphology Relationships in Block and Random Copolymers. *ACS Polymer Preprints* **2012**, *53* (1), 252-253.
56. Weber, R.L.; Ye, Y.; Schmitt, A.L.; Banik, S.M.; Elabd, Y.A.; Mahanthappa, M.K. Nanostructured Polymerized Ionic Liquid Block Copolymers. *ACS Polymer Preprints* **2012**, *53* (1), 250-251.
57. Davis, E.M.; McDermott, M.K.; Benetatos, N.M.; Elabd, Y.A. Drug Delivery in Biodegradable Polymer Coatings used in Drug-Eluting Medical Devices: An Infrared Spectroscopic Investigation. *ACS Polymeric Materials: Science and Engineering* **2012**, *106*, 167-168.
58. Ye, Y.; Elabd, Y.A. Chemical Stability of Anion Exchange Membranes for Alkaline Fuel Cells; In *Polymers for Energy Storage and Delivery: Polyelectrolytes for Batteries and Fuel Cells*. Page, K.A.; Soles, C.L.; Runt, J., Eds.; Oxford University Press, 2012; ACS Symposium Series 1096, pp 234-251. **Invited Contribution**
59. Green, M.D.; Salas-de la Cruz, D.; Ye, Y.; Layman, J.M.; Elabd, Y.A.; Winey, K.I.; Long, T.E. Alkyl-Substituted *N*-Vinylimidazolium Polymerized Ionic Liquids: Thermal Properties and Ionic Conductivities. *Macromol. Chem. Phys.* **2011**, *212*, 252-2528.

60. Ye, Y.; Elabd, Y.A. Relative Chemical Stability of Alkaline Exchange Polymerized Ionic Liquids. *Macromolecules* **2011**, *44*, 8494-8503.
61. Davis, E.M.; Theryo, G.; Hillmyer, M.A.; Cairncross, R.A.; Elabd, Y.A. Liquid Water Transport in Polylactide Homo and Graft Copolymers. *ACS Applied Materials & Interfaces* **2011**, *3*, 3997-4006.
62. Davis, E.M.; Benetatos, N.M.; Regnault, W.F.; Winey, K.I.; Elabd, Y.A. The Influence of Thermal History on the Structure and Water Transport in Parylene C Coatings. *Polymer* **2011**, *52*, 5378-5386.
63. Weber, R.L.; Ye, Y.; Banik, S.M.; Elabd, Y.A.; Hickner, M.A.; Mahanthappa, M.K. Thermal and Ion Transport Properties of Hydrophilic and Hydrophobic Polymerized Styrenic Imidazolium Ionic Liquids. *J. Polym. Sci.: Part B: Pol. Phys.* **2011**, *49*, 1287-1296.
64. Weber, R.L.; Ye, Y.; Schmitt, A.L.; Banik, S.M.; Elabd, Y.A.; Mahanthappa, M.K. Effect of Nanoscale Morphology on the Conductivity of Polymerized Ionic Liquid Block Copolymers. *Macromolecules* **2011**, *44*, 5727-5735.
65. McPeak, K.M.; Le, T.P.; Britton, N.G.; Nickolov, Z.S.; Elabd Y.A.; Baxter J.B. Chemical Bath Deposition of ZnO Nanowires at Near-Neutral pH Conditions without Hexamethylenetetramine (HMTA): Understanding the Role of HMTA in ZnO Nanowire Growth. *Langmuir* **2011**, *27*, 3672-3677.
66. Ye, Y.; Elabd, Y.A. Anion Exchanged Polymerized Ionic Liquids: High Free Volume Single Ion Conductors. *Polymer* **2011**, *52*, 1309-1317.
67. Elabd, Y.A.; Hickner, M.A. Block Copolymers for Fuel Cells. *Macromolecules* **2011**, *44*, 1-11. **Invited Contribution, Perspective Article**
68. Dong, B.; Chen, H.; Snyder, J.; Elabd, Y.A. Super Proton Conductive Nafion Nanofibers: Discovery, Fabrication, Properties, and Fuel Cell Performance. *Electrochemical Society Transactions* **2011**, *41* (1), 1503-1507.
69. Weber, R.L.; Ye, Y.; Elabd, Y.A.; Mahanthappa, M.K. Molecular Structure and Morphology Influence Ionic Conductivity in Polymerized Ionic Liquid Homopolymers and Block Copolymers. *ACS Polymeric Materials: Science and Engineering* **2011**, *105*, 783.
70. Ye, Y.; Mace, E.J.; Elabd, Y.A. Stable Hydroxide Anion Exchange Polymerized Ionic Liquid. *ACS Polymer Preprints* **2011**, *52* (1), 566-567.
71. Davis, E.M.; Minelli, M.; Baschetti, M.G.; Sarti, G.C.; Elabd, Y.A. Sorption and Diffusion of Water Vapor in Polylactide: Experiments and Model Predictions. *ACS Polymer Preprints* **2011**, *52* (1), 313-314.
72. Gwee, L.; Choi, J.-H.; Winey, K.I.; Elabd, Y.A. Block Copolymer/Ionic Liquid Films: The Effect of Ionic Liquid Composition on Morphology and Ion Conduction. *Polymer* **2010**, *51*, 5516-5524.
73. Dong, B.; Gwee, L.; Salas-de la Cruz, D.; Winey, K.I. Elabd, Y.A. Super Proton Conductive High Purity Nafion Nanofibers. *Nano Letters* **2010**, *10*, 3785-3790.

74. Hallinan, D.T., Jr.; De Angelis, M.G.; Baschetti, M.G.; Jr.; Sarti, G.C.; Elabd, Y.A. Non-Fickian Diffusion of Water in Nafion. *Macromolecules* **2010**, *43*, 4667-4678.
75. Rahmathullah, M. Aflal M.; Snyder, J.D.; Elabd, Y.A.; Palmese G.R. Nanoporous and Proton Conductive Hydrophobic-Hydrophilic Copolymer Thermoset Membranes. *J. Polym. Sci.: Part B: Pol. Phys.* **2010**, *48*, 1245- 1255.
76. Antonietti, M.; Shen, Y.; Nakanishi, T.; Manuelian, M.; Campbell, R.; Gwee, L.; Elabd, Y.A.; Tambe, N.; Crombez, R.; Texter, J. Single Wall Carbon Nanotube Latexes. *ACS Applied Materials & Interfaces* **2010**, *2*, 649-653.
77. Rahmathullah, M. Aflal M.; Elabd, Y.A.; Palmese G.R. Kinetic and Thermomechanical Analysis of Hydrophobic-Hydrophilic Copolymer Thermosets Synthesized via Free-Radical Polymerization. *J. Appl. Polym. Sci.* **2010**, *115*, 1419-1427.
78. Hallinan, D.T., Jr.; De Angelis, M.G.; Baschetti, M.G.; Jr.; Sarti, G.C.; Elabd, Y.A. Water Transport in Proton Exchange Membranes: Insights from Time-Resolved Infrared Spectroscopy. *Electrochemical Society Transactions* **2010**, *33* (1), 1029-1033.
79. Davis, E.M.; Elabd, Y.A.; Winey, K.I.; Regnault, W.F.; Benetatos, N.M. New Characterization Techniques for Assessing the Structure and Water Transport of Parylene Coatings. *ACS Polymeric Materials: Science and Engineering* **2010**, *102*, 59-60.
80. Schaeffer, H.; Elabd, Y.A. Nafion-Based Anion Exchange Membranes for the Alkaline Fuel Cell. *ACS Polymeric Materials: Science and Engineering* **2010**, *102*, 439-440.
81. Ye, Y.; Salas-de la Cruz, D.; Winey, K.I.; Elabd, Y.A. Ion Conduction in Polymerized Ionic Liquids: The Effect of Anion Type. *ACS Polymer Preprints* **2010**, *51* (1), 688-689.
82. Gwee, L.; Choi, J.-H.; Winey, K.I.; Elabd, Y.A. Ionic Liquid-Polymer Solid-State Films: The Effect of Ionic Liquid Composition on Morphology and Ion Conduction. *ACS Polymer Preprints* **2010**, *51* (1), 421-422.
83. Chen, L.; Hallinan, D.T. Jr.; Elabd, Y.A.; Hillmyer, M.A. Highly Selective Polymer Electrolyte Membranes From Reactive Block Polymers. *Macromolecules*, **2009**, *42*, 6075-6085.
84. Chen, H.; Choi, J.-H.; Salas-de la Cruz, D.; Winey, K.I.; Elabd, Y.A. Polymerized Ionic Liquids: The Effect of Copolymer Composition on Ion Conduction. *Macromolecules* **2009**, *42*, 4809-4816.
85. Chen, H.; Elabd, Y.A. Electrospinning and Solution Properties of Polymerized Ionic Liquids. *Macromolecules* **2009**, *42*, 3368-3373.
86. Hallinan, D.T., Jr.; Elabd, Y.A. Diffusion of Water in Nafion using Time-Resolved FTIR-ATR Spectroscopy. *J. Phys. Chem. B* **2009**, *113*, 4257-4266.
87. Snyder, J.D.; Elabd, Y.A. Nafion® Nanofibers and Their Effect on Polymer Electrolyte Membrane Fuel Cell Performance. *J. Power Sources* **2009**, *186*, 385-392.

88. Chen, H.; Gwee, L.; Choi, J.-H.; Salas-de la Cruz, D.; Winey, K.I.; Elabd, Y.A. Ionic Conduction in Polymerized Ionic Liquids and Ionic Liquid-Polymer Mixtures. *ACS Polymeric Materials: Science and Engineering* **2009**, *100*, 696-697.
89. Chen, H.; Rahmathullah, A.M.; Palmese, G.R.; Elabd, Y.A. Polymer-Polymer Nanocomposite Membranes as Breathable Barriers with Electro-Sensitive Permeability; In *Nanoscience and Nanotechnology for Chemical and Biological Defense*. Nagarajan, R.; Zukas, W.; Hatton, T.A.; Lee, S., Eds.; Oxford University Press, 2009; ACS Symposium Series 1016, pp 307-322. **Invited Contribution**
90. Chen, H.; Snyder, J.D.; Elabd, Y.A. Electrospinning and Solution Behavior of Nafion and Poly(acrylic acid). *Macromolecules* **2008**, *41*, 128-135.
91. Chen, H.; Elabd, Y.A. Ionic Liquid Polymers: Electrospinning and Solution Properties. *ACS Polymeric Materials: Science and Engineering* **2008**, *99*, 646-647.
92. Chen, H.; Choi, J.-H.; Salas-de la Cruz, D.; Winey, K.I.; Elabd, Y.A. Ionic Liquid Polymers: The Effect of Copolymer Composition on Structure and Ion Conduction. *ACS Polymeric Materials: Science and Engineering* **2008**, *99*, 21-22.
93. Rahmathullah, A.M.; Robinette, E.J.; Chen, H.; Elabd, Y.A.; Palmese G.R. Plasma-Assisted Synthesis of Hollow Nanofibers using Electrospun Sacrificial Templates. *Nucl. Instrum. Meth. B* **2007**, *265*, 23-30.
94. Hallinan, D.T., Jr.; Elabd, Y.A. Diffusion and Sorption of Methanol and Water in Nafion using Time-Resolved FTIR-ATR Spectroscopy. *J. Phys. Chem. B* **2007** *111*, 13221-13230. **Featured in Photonics Spectra, Jan 2008**
95. Hallinan, D.T., Jr.; Elabd, Y.A. Sorption and Diffusion Selectivity of Methanol/Water Mixtures in Nafion®. In *Micro-Mini Fuel Cells – Fundamentals and Applications*; Kakac, S., Pramuanjaroenkij, A., Vasiliev, L., Eds; Springer: Netherlands, 2008; pp 189-208. **Invited Contribution**
96. Chen, H.; Elabd, Y.A.; Palmese, G.R. Plasma-Aided Template Synthesis of Inorganic Nanotubes and Nanorods. *J. Mater. Chem.* **2007**, *17*, 1593-1596.
97. Chen, H.; Palmese, G.R.; Elabd, Y.A. Electrosensitive Permeability of Membranes with Oriented Polyelectrolyte Nanodomains. *Macromolecules* **2007**, *40*, 781-782.
98. DeLuca, N.W.; Elabd, Y.A. Direct Methanol Fuel Cell Performance of Nafion®/ Poly(vinyl alcohol) Blend Membranes. *J. Power Sources* **2006**, *163*, 386-391.
99. Chen, H.; Palmese, G.R.; Elabd, Y.A. Membranes with Oriented Polyelectrolyte Nanodomains. *Chem. Mater.* **2006**, *18*, 4875-4881.
100. DeLuca, N.W.; Elabd, Y.A. Nafion®/Poly(vinyl alcohol) Blends: Effect of Composition and Annealing Temperature on Transport Properties. *J. Membrane Sci.* **2006**, *282*, 217-224.
101. DeLuca, N.W.; Elabd, Y.A. Polymer Electrolyte Membranes for the Direct Methanol Fuel Cell: A Review. *J. Polym. Sci.: Part B: Pol. Phys.* **2006**, *44*, 2201-2225. **Invited Contribution, Special Issue on Polymers in Fuel Cells**

102. Elabd, Y.A.; Napadensky, E.; Walker, C.W.; Winey, K.I. Transport Properties of Sulfonated Poly(styreneisobutylene-styrene) Triblock Copolymers at High Ion-Exchange Capacities. *Macromolecules* **2006**, *39*, 399-407.
103. Chen, H.; Palmese, G.R.; Elabd, Y.A. Membranes with Oriented Polyelectrolyte Nanodomains as Breathable Barriers for Protective Clothing. *25th Army Science Conference Proceedings* **2006**, MP-01.
104. Napadensky, E.; Elabd, Y.A. Transport Properties of N-Methylolated Nylon-6/Chitosan Blend Membranes;. *U.S. Army Research Laboratory Technical Report: ARL-TR-3917*, September 2006.
105. Chen, H.; Palmese, G.R.; Elabd, Y.A. Membranes with Oriented Polyelectrolyte Nanodomains. *ACS Polymeric Materials: Science and Engineering* **2006**, *95*, 269-270.
106. Suleiman, D.; Elabd, Y.A.; Napadensky, E.; Sloan, J.M.; Crawford, D.M. Thermogravimetric Characterization of Sulfonated Poly(styrene-isobutylene-styrene) Block Copolymers: Effects of Processing Conditions. *Thermochim. Acta* **2005**, *430*, 149-154.
107. Wu, L-Q.; Ghodssi, R.; Elabd, Y.A.; Payne, G.F. Biomimetic Pattern Transfer. *Adv. Funct. Mater.* **2005**, *15*, 189- 195.
108. Hronec, C.; Walker, C.W.; Elabd, Y.A. Catalyst Layer Network Formation and its Effect on Fuel Cell Performance. *ACS Fuel Preprints* **2005**, *50* (2), 478-479.
109. Chen, H.; Palmese, G.R.; Elabd, Y.A. Polyester-Poly(methacrylic acid) Nanocomposite Membranes as Breathable Barriers. *ACS Polymer Preprints* **2005**, *46* (2), 1202-1203.
110. Mohamed Aflal, M.R.; Elabd, Y.A.; Palmese, G.R. Proton Conductive Nanoporous Thermosetting Copolymers. *ACS Polymeric Materials: Science and Engineering* **2005**, *93*, 564-565.
111. Wu, L-Q.; Ghodssi, R.; Elabd, Y.A.; Payne, G.F. Biomimetic Pattern Transfer from a Hard Material to a Soft Biomaterial. *ACS Polymeric Materials: Science and Engineering* **2005**, *93*, 246-247.
112. Elabd, Y.A.; Napadensky, E. Sulfonation and Characterization of Poly(styrene-isobutylene-styrene) Triblock Copolymers at High Ion-Exchange Capacities. *Polymer* **2004**, *45*, 3037-3043.
113. Elabd, Y.A.; Beyer, F.L.; Walker, C. W. Triblock Copolymer Ionomer Membranes. Part II: Structure Characterization and its Effects on Transport Properties and Direct Methanol Fuel Cell Performance. *J. Membrane Sci.* **2004**, *231*, 181-188.
114. Sloan, J.M.; Napadensky, E.; Crawford D.M.; Elabd, Y.A. Nanostructured Polymer Membranes for Chemical Protective Clothing. *24th Army Science Conference Proceedings* **2004**, MP-07.
115. Napadensky, E.; Sloan, J.M.; Elabd, Y.A. Breathability and Selectivity of Selected Materials for Protective Clothing. *ACS Polymeric Materials: Science and Engineering* **2004**, *91*, 752-753.

116. Elabd, Y.A.; Walker, C.W. Proton Conducting Block Copolymers and their Application to the Direct Methanol Fuel Cell. *41st Proceedings of the Power Sources Conference* **2004**, 16.4, 262-265.
117. Elabd, Y.A.; Napadensky, E.; Walker, C.W. Proton Conducting Block Copolymers: Sulfonation, Characterization and Application to the Direct Methanol Fuel Cell, *ACS Polymer Preprints* **2004**, 45 (1), 18-19.
118. Napadensky, E.; Elabd, Y.A. Breathability and Selectivity of Selected Materials for Protective Clothing. *U.S. Army Research Laboratory Technical Report: ARL-TR-3235*, July **2004**.
119. Elabd, Y.A.; Baschetti Giacinti, M.; Barbari, T.A. Time-Resolved FTIR-ATR Spectroscopy for the Measurement of Molecular Diffusion in Polymers. *J. Polym. Sci.: Part B: Pol. Phys.* **2003**, 41, 2794-2807. **Invited Contribution**
120. Elabd, Y.A.; Napadensky, E.; Sloan, J.M.; Crawford, D.M.; Walker, C. W. Triblock Copolymer Ionomer Membranes. Part I: Methanol and Proton Transport. *J. Membrane Sci.* **2003**, 217, 227-242.
121. Elabd, Y.A.; Barbari, T.A. Multicomponent Diffusion of Hydrogen Bonding Solutes in a Polymer. *AIChE J.* **2002**, 48, 1610-1620.
122. Harris, J.; Elabd, Y.A.; Napadensky, E.; Moy, P. Thermal Processing and Composite Laminate Formation of Ionic Block Copolymers for Protective Clothing. *U.S. Army Research Laboratory Technical Report: ARL-TR-2892*, December **2002**.
123. Elabd, Y.A.; Napadensky, E.; Sloan, J.M.; Crawford, D.M.; Walker, C.W. Transport Properties of Triblock Copolymer Ionomer Membranes for Fuel Cells. *23rd Army Science Conference Proceedings* **2002**, AO-02.
124. Crawford, D.M.; Elabd, Y.; Sloan J.M.; Napadensky, E.; Kendrick C.; Zukas, W. X. Mechanical Properties and Water Vapor Transport Properties of Sulfonated Block Copolymers. *ACS Polymer Preprints* **2002**, 43 (1), 430-431.
125. Sloan, J.M.; Elabd, Y.A.; Napadensky, E. Sulfonated Block Copolymer Ionomers for Use in Direct Methanol Fuel Cells. *60th Proceedings of the Society of Plastic Engineers Annual Technical Conference* **2002**, 3, 3939-3941.
126. Elabd, Y.A.; Sloan, J.M.; Beck Tan, N.; Barbari, T.A. The Effect of Penetrant-Polymer Interactions on Molecular Diffusion in Conformational Isomers of a Heterogeneous Polymer. *Macromolecules* **2001**, 34, 6268-6273.
127. Elabd, Y.A.; Barbari, T.A. Acetic Acid Diffusion in Polyisobutylene: Probing Small Molecule Structures. *Ind. Eng. Chem. Res.* **2001**, 40, 3076-3084.
128. Elabd, Y.A.; Barbari, T.A. Separating Solvation from Molecular Diffusion in Polymers. *AIChE J.* **2001**, 47, 1255- 1262. **Featured in Chemical Engineering Progress, June 2001**
129. Crawford, D.M.; Napadensky, E.; Elabd, Y.A.; Sloan, J.M.; Mountz, D.; Mauritz, K.A. DMA Characterization of Modified Polystyrene-Polyisobutylene-Polystyrene Triblock

Copolymers. *29th Proceedings of the NATAS Annual Conference on Thermal Analysis and Applications* **2001**, 240-245.

130. Elabd, Y.A.; Sloan, J.M.; Barbari, T.A. Diffusion of Acetonitrile in Conformational Isomers of an H12MDI Polyurethane. *Polymer* **2000**, *41*, 2203-2212.

131. Payne, G.F.; Elabd, Y.A.; Lenhart, J.L.; Rameriz, D.M. Enzymatic Modification of Chitosan by Tyrosinase. *ACS Polymeric Materials: Science and Engineering* **1996**, *74*, 36.

PATENTS

1. U.S. Patent 10,112,001, November 6, 2018.
2. U.S. Patent 9,806,314, October 31, 2017.
3. U.S. Patent 9,365,688, June 14, 2016.
4. U.S. Patent 8,853,286, October 7, 2014.
5. U.S. Patent 8,686,054, April 1, 2014.
6. U.S. Patent 8,173,713, May 8, 2012.
7. U.S. Patent 7,307,127, December 11, 2007. **Featured in Homeland Security Daily Wire, February 2008.**

PRESENTATIONS (Presenter Underlined)

1. Elabd, Y.A. Hydroxide Conducting Block Copolymers. American Physical Society Meeting, March 2021. *Oral Presentation (Virtual)* **Invited Speaker**
2. Sun, R.; Agrawal, M.; Elabd, Y.A. Proton Conducting Sulfonated Poly(ionic liquid) Block Copolymers. AIChE Annual Meeting, Orlando, FL, November 2019. *Oral Presentation*
3. Chen, T.-L.; Sun, R.; Willis, C.; Elabd, Y.A. Poly(ionic liquid) Pentablock Terpolymer Electrolytes in Solid-State Lithium Ion Batteries. AIChE Annual Meeting, Orlando, FL, November 2019. *Oral Presentation*
4. Lathrop, P.; Elabd, Y.A. ABC Polymeric Ionic Liquid Terpolymers. AIChE Annual Meeting, Orlando, FL, November 2019. *Poster Presentation*
5. Elabd, Y.A. Hydroxide Conducting Block Copolymers. Fall National Meeting of the American Chemical Society, San Diego, CA, August 2019. *Oral Presentation* **Invited Speaker**
6. Chen, T.-L.; Sun, R.; Willis, C.L.; Morgan, B.; Beyer, F.L.; Elabd, Y.A. Room Temperature Solid-State Lithium Polymer Battery with Polyionic Liquid Pentablock Terpolymer Electrolyte, 235th Electrochemical Society Meeting, Dallas, TX, May 2019. *Oral Presentation*
7. Hwang, M.; Willis, C.L.; Elabd, Y.A. Alkaline Fuel Cell Performance of Saturated *N*-Heterocyclic Cationic Multiblock Polymers, 235th Electrochemical Society Meeting, Dallas, TX, May 2019. *Oral Presentation*
8. Elabd, Y.A. Transport-Morphology Relationships in Polymerized Ionic Liquid Multiblock Polymers. Spring National Meeting of the American Chemical Society, Orlando, FL, April 2019. *Oral Presentation* **Invited Speaker**

9. Elabd, Y.A. Ion Transport in Anion Exchange Membranes for Alkaline Fuel Cells. Spring National Meeting of the American Chemical Society, Orlando, FL, April 2019. *Oral Presentation* **Invited Speaker**
10. Mara, N.; Hwang, M.; Elabd, Y.A. Pentablock Terpolymer Nanofiber-Particle Electrodes for Ultra-Low Platinum Alkaline Fuel Cells. Regional AIChE Meeting, Lubbock, TX, March 2019. *Poster Presentation*
11. Sun, R.; Hwang, M.; Willis, C.L.; Elabd, Y.A. Saturated N-Heterocyclic Cationic Polymers as Anion Exchange Membranes in Alkaline Fuel Cells. AIChE Annual Meeting, Pittsburgh, PA, November 2018. *Oral Presentation*
12. Chen, T.-L.; Sun, R.; Willis, C.L.; Morgan, B.; Beyer, F.L.; Elabd, Y.A. Lithium Ion Conducting Multiblock Polymers as Solid-State Electrolytes for Lithium Ion Batteries. AIChE Annual Meeting, Pittsburgh, PA, November 2018. *Oral Presentation*
13. Elabd, Y.A.; Meek, K.M.; Sun, R.; Hwang, M.; Chen, T.-L.; Willis, C. Saturated N-Heterocyclic Multiblock Polymers as Solid-State Separators in Alkaline Fuel Cells and Lithium Ion Batteries. Fall National Meeting of the American Chemical Society, Boston, MA, August 2018. *Oral Presentation* **Invited Speaker**
14. Hwang, M.; Karenson, M.; Elabd, Y.A. High Production Rate of Nafion Nanofibers via Needleless Electrospinning. AIChE Annual Meeting, Pittsburgh, PA, November 2018. *Poster Presentation*
15. Hwang, M.; Willis, C.L.; Elabd, Y.A. Alkaline Fuel Cell Performance of Saturated N-Heterocyclic Multiblock Polymers. AIChE Annual Meeting, Pittsburgh, PA, November 2018. *Poster Presentation*
16. Sun, R.; Elabd, Y.A. Saturated N-Heterocyclic Cationic Polymers. Spring National Meeting of the American Chemical Society, New Orleans, LA, March 2018. *Poster Presentation*
17. ACS Division of Polymer Chemistry (POLY) Webinar, "The Power of Plastics: Polymerized Ionic Liquids and Nanostructured Polymers for Battery and Other Applications, April 18, 2017, Moderator: Marc Hilmyer, University of Minnesota, Speakers: Yossef A. Elabd, Texas A&M University, and Thomas Epps III, University of Delaware. *Webinar* YouTube: https://youtu.be/_T41tQzz91A
18. Hwang, M.; Elabd, Y.A. Impact of Ionomer Resistance in Nanofiber-Nanoparticle Electrodes for Ultra-Low Platinum Fuel Cells. AIChE Annual Meeting, Minneapolis, MN, November 2017. *Oral Presentation*
19. Sun, R.; Meek, K.M.; Elabd, Y.A. Carbon Derived from Polymerized Ionic Liquids. AIChE Annual Meeting, Minneapolis, MN, November 2017. *Oral Presentation*
20. Meek, K.M.; Nykaza, J.; Sun, R.; Willis, C.L.; Elabd, Y.A. Chemical Stability and Ion Transport in Polymerized Ionic Liquid Anion Exchange Membranes. Fall National Meeting of the American Chemical Society, Washington, D.C., August 2017. *Oral Presentation* **Selected as DSM Science & Technology Award Finalist**

21. Chen, T.-L.; Elabd, Y.A. Polymerized Ionic Liquid Pentablock Terpolymer for Lithium-Metal Batteries. AIChE Annual Meeting, Minneapolis, MN, November 2017. *Poster Presentation*
22. Elabd, Y.A. Polymerized Ionic Liquid Block Copolymers for Alkaline Fuel Cells. Materials Research Society Fall National Meeting, Boston, MA, November 2016. *Oral Presentation* **Invited Speaker**
23. Meek, K.M.; Nykaza, J., Sun, R.; Willis, C.L.; Elabd, Y.A. Chemical Stability and Ion Transport in Polymerized Ionic Liquid Anion Exchange Membranes. AIChE Annual Meeting, San Francisco, CA, November 2016. *Oral Presentation* **Selected for Excellence in Graduate Polymer Research Session – Received 2nd Place Award in Session**
24. Santos, M.; Elabd, Y.A. *In Situ* Pressure-Contact Time-Resolved Fourier Transform Infrared Attenuated Total Reflectance Spectroscopy: A New Method to Measure Liquid Diffusion in Free-Standing Polymer Films. AIChE Y. A. Elabd Curriculum Vitae, July 2021 Annual Meeting, San Francisco, CA, November 2016. AIChE, San Francisco, CA, November 2016. *Oral Presentation*
25. Elabd, Y.A. Polymerized Ionic Liquid Block Copolymers for Alkaline Fuel Cells. American Chemical Society Southwest Regional Meeting (ACS-SWRM), Galveston, TX, November 2016. *Oral Presentation* **Invited Speaker**
26. Elabd, Y.A. Polymerized Ionic Liquid Block Copolymers. American Chemical Society Meeting on Advanced Polymer Materials (ACS-APM), Houston, TX, November 2016. *Oral Presentation* **Invited Speaker**
27. Elabd, Y.A. Polymerized Ionic Liquid Block Copolymers for Alkaline Fuel Cells. 15th International Symposium on Polymer Electrolytes. Uppsala, Sweden, August 2016. *Oral Presentation* **Invited Speaker**
28. Elabd, Y.A. Membranes for Fuel Cells. European Membrane Society Summer School, Bertinoro, Italy, June 2016. *Oral Presentation* **Invited Speaker**
29. Sun, R.; Meek, K.M.; Elabd, Y.A. PIL-Derived Carbon. AIChE Annual Meeting, San Francisco, CA, November 2016. *Poster Presentation*
30. Hwang, M.; Elabd, Y.A. Exploration of Nanofiber-Nanoparticle Electrodes Fabricated via Simultaneous Electrospinning/Electrospraying for Ultra-Low Platinum Fuel Cells. AIChE Annual Meeting, San Francisco, CA, November 2016. *Poster Presentation*
31. Chen, T.-L.; Elabd, Y.A. Hybrid-Capacitors with Polyaniline/Carbon Electrodes Fabricated via Simultaneous Electrospinning/Electrospraying. AIChE Annual Meeting, San Francisco, CA, November 2016. *Poster Presentation*
32. Lathrop, P.; Elabd, Y.A. Polymerized Ionic Liquid Triblock Terpolymers: Synthesis and Characterization. AIChE Annual Meeting, San Francisco, CA, November 2016. *Poster Presentation*

33. Santos, M.; Jing, Y.; Fang, L.; Chaplin, B.; Elabd, Y.A. Highly Porous TiO₂ Reactive Electrode Membranes for Water Filtration. AIChE Annual Meeting, Salt Lake City, UT, November 2015. *Oral Presentation*
34. Meek, K.M.; Savage, A.M.; Beyer, F.L.; Elabd, Y.A. Chemical Stability and Ion Transport in Polymerized Ionic Liquid Block Copolymer Anion Exchange Membranes with Various Cations. AIChE Annual Meeting, Salt Lake City, UT, November 2015. *Oral Presentation*
35. Nykaza, J.R.; Li, Y.; Elabd, Y.A.; Snyder, J. The Hydroxide Conductivity and Chemical Stability of a Polymerized Ionic Liquid Diblock Copolymer for Alkaline Fuel Cells Using Rotating Disk Electrode. AIChE Annual Meeting, Salt Lake City, UT, November 2015. *Oral Presentation*
36. Elabd, Y.A. Polymerized Ionic Liquid Block Copolymer as Anion Exchange Membranes. Fall National Meeting of the American Chemical Society, Boston, MA, August 2015. *Oral Presentation* **Invited Speaker**
37. Meek, K.M.; Beyer, F.L.; Elabd, Y.A. Transport and Morphology of Polymerized Ionic Liquid Block Copolymer Anion Exchange Membranes with Various Cations. Spring National Meeting of the American Chemical Society, Denver, CO, March 2015. *Oral Presentation*
38. Nykaza, J.R.; Sharick, S.; Davis, E.M.; Ye, Y.; Page, K.A.; Jackson, A.; Beyer, F.L.; Winey, K.I.; Elabd, Y.A. Impact of Alkyl Chain Length on Ion Conduction and Morphology in Polymerized Ionic Liquid Diblock Copolymers. Spring National Meeting of the American Chemical Society, Denver, CO, March 2015. *Oral Presentation*
39. Elabd, Y.A. Water in Renewable Polymers: Nonequilibrium Thermodynamics. American Physical Society Meeting, San Antonio, TX, March 2015. *Oral Presentation* **Invited Speaker**
40. Weiss, R.A.; Zhang, L.; Cavicchi, K.A.; Story R.F.; Kucera, L.R.; Ummadisetty, S.; Elabd, Y.A.; Nykaza, J.R. Synthesis and Properties of Supramolecular Multiblock Copolymers Formed From Ionic Bonds. Materials Research Society Fall Meeting, Boston, MA, December 2014. *Oral Presentation*
41. Elabd, Y.A. Polymerized Ionic Liquid Block Copolymers: Highly Versatile Ion Conductors. Annual Meeting of the American Institute of Chemical Engineers, Atlanta, GA, November 2014. *Oral Presentation* **Invited Speaker**
42. Ye, Y.; Nykaza, J.R.; Meek, K.M.; Elabd, Y.A. Polymerized Ionic Liquid Block Copolymers as Anion Exchange Membranes for Alkaline Fuel Cells. Annual Meeting of the American Institute of Chemical Engineers, Atlanta, GA, November 2014. *Oral Presentation* **Invited Speaker**
43. Ansaloni, L.; Nykaza, J.R.; Minelli, M.; Elabd, Y.A.; Giacinti Baschetti, M. Polymerized Ionic Liquid Membranes for CO₂ Capture: The Effect of Water Vapor. Annual Meeting of the American Institute of Chemical Engineers, Atlanta, GA, November 2014. *Oral Presentation*

44. Richey, F.W.; Hallinan, Jr., D.T.; Elabd, Y.A. In Situ Time-Resolved Infrared Spectroelectrochemistry of Fuel Cells and Electrochemical Capacitors. Spring National Meeting of the American Chemical Society, Dallas, TX, March 2014. *Oral Presentation*
Invited Speaker
45. Nykaza, J.R.; Ye, Y.; Elabd, Y.A. Synthesis of Long-Chain Polymerized Ionic Liquid Diblock Copolymers with High Ion Conductivity. Spring National Meeting of the American Chemical Society, Dallas, TX, March 2014. *Oral Presentation*
46. Meek, K.M.; Ye, Y.; Elabd, Y.A. Chemical Stability of Polymerized Ionic Liquid Block Copolymer Anion Exchange Membranes with Various Cations. Spring National Meeting of the American Chemical Society, Dallas, TX, March 2014. *Oral Presentation*
47. Sharick, S.; Meek, K.; Ye, Y.; Elabd, Y.A.; Winey, K.I. Morphology and Ionic Conductivity of Humidity- Responsive Polymerized Ionic Liquid Block Copolymers. American Physical Society Meeting, Denver, CO, March 2014. *Oral Presentation*
48. Benjamin, R.; Nykaza, J.R.; Elabd, Y.A. Alkaline Fuel Cell Performance with a Polymerized Ionic Liquid Block Copolymer as Anion Exchange Membrane. Annual Meeting of the American Institute of Chemical Engineers, Atlanta, GA, November 2014. *Poster Presentation* **Received 3rd Place Award in the Materials Science and Engineering Poster Competition**
49. Nykaza, J.R.; Elabd, Y.A. Polymerized Ionic Liquid Block Copolymers as Solid-State Polymer Electrolytes for Lithium-Ion Batteries. Annual Meeting of the American Institute of Chemical Engineers, Atlanta, GA, November 2014. *Poster Presentation*
50. Jackson, A.C.; Li, Y.; Nykaza, J.R.; Elabd, Y.A.; Knauss, D.M.; Beyer, F.L.; Walck, S.D. HAADF STEM of Phase Separated Anion Exchange Membranes Prepared by Ultramicrotomy. Microscopy and Microanalysis Meeting, Hartford, CT, August 2014. *Poster Presentation*
51. Ansaloni, L.; Nykaza, J.; Minelli, M.; Elabd, Y.A.; Giacinti Baschetti, M. Characterization of the Gas Transport Properties of PILs Membranes under Humid Conditions. ICOM 2014 - The 10th International Congress on Membranes and Membrane Processes, Suzhou, China, July 2014. *Poster Presentation*
52. Dyatkin, B.; Richey, F.W.; Elabd, Y.A.; Gogotsi, Y. Novel in situ Infrared Spectroelectrochemistry Technique for Analyzing Ionic Liquid Electrolyte Dynamics at Interfaces of Carbon Supercapacitor Electrodes. Materials Research Society Meeting, Boston, MA, December 2013. *Oral Presentation*
53. Nykaza, J.R.; Meek, K.M.; Ye, Y.; Elabd, Y.A. Invited Talk: Block Copolymers as Anion Exchange Membranes for Alkaline Fuel Cells. Annual Meeting of the American Institute of Chemical Engineers, San Francisco, CA, November 2013. *Oral Presentation*
Invited Speaker
54. Richey, F.W.; Dyatkin, B.; Gogotsi, Y.; Elabd, Y.A. Time-Resolved Ion Dynamics in Carbon Supercapacitor Electrodes Using In Situ Infrared Spectroscopy. Ion Annual Meeting of the American Institute of Chemical Engineers, San Francisco, CA, November 2013. *Oral Presentation*

55. Davis, E.M.; Elabd, Y.A. Water Sorption and Diffusion in Glassy Polymers: Nonequilibrium Thermodynamics and States of Water. Ion Annual Meeting of the American Institute of Chemical Engineers, San Francisco, CA, November 2013. *Oral Presentation*
56. Richey, F.W.; Dyatkin, B.; Gogotsi, Y.; Elabd, Y.A. Time-Resolved Ion Dynamics in Carbon Supercapacitor Electrodes Using In Situ Infrared Spectroscopy. 224th Electrochemical Society Meeting, San Francisco, CA, October 2013. *Oral Presentation*
Received ECS Student Travel Award
57. Dyatkin, B.; Richey, F.W.; Elabd, Y.A.; Gogotsi, Y. Time-Resolved Ion Mobility in Supercapacitor Electrodes Studied Using In Situ Attenuated Total Reflectance Infrared Spectroscopy. Materials Research Society Meeting, San Francisco, CA, April 2013. *Oral Presentation*
58. Wang, S.; Ye, Y.; Elabd, Y.A.; Winey, K.I. Morphologies and Ionic Conductivity in Polymerized Ionic Liquid Block Copolymers. Materials Research Society Meeting, San Francisco, CA, April 2013.
59. Elabd, Y.A. Fuel Cell Membranes. Short course on Membranes for Clean Water and Energy. American Physical Society Meeting, Baltimore, MD, March 2013. *Oral Presentation* **Invited Speaker**
60. Davis E.M.; Elabd, Y.A. States of Water in Non-Equilibrium Glassy Polymers. American Physical Society Meeting, Baltimore, MD, March 2013. *Oral Presentation*
61. Beyer, F.L.; Price, S.; Jackson, A.; Ren, X.; Chu, D.; Ye, Y.; Elabd, Y.A. Anion Exchange Membranes Based on Reactive Block Copolymers. American Physical Society Meeting, Baltimore, MD, March 2013. *Oral Presentation*
62. Wang, S.; Ye, Y.; Elabd, Y.A.; Winey, K.I. Ordered and Disordered Polymerized Ionic Liquid Block Copolymers: Morphology and Ion Conductivity. American Physical Society Meeting, Baltimore, MD, March 2013. *Oral Presentation*
63. Choi, J.-H.; Ye, Y.; Elabd, Y.A.; Winey, K.I. Effect of Morphology on Ion Transport in Polymerized Ionic Liquid Block Copolymers. American Physical Society Meeting, Baltimore, MD, March 2013. *Oral Presentation*
64. Elabd, Y.A. Block Copolymers in Fuel Cells. Advanced in Materials for Proton Exchange Membrane Fuel Cells Systems Meeting, sponsored by The Division of Polymer Chemistry (POLY) of the American Chemical Society, Asilomar, CA, February 2013. *Oral Presentation* **Invited Speaker**
65. Dyatkin, B.; Richey, F.W.; Elabd, Y.A.; Gogotsi, Y. Ionic Liquid Electrolyte Dynamics in Porous Architectures of Supercapacitor Electrodes Determined via in situ Infrared Spectroelectrochemistry. Materials Research Society Meeting, Boston, MA, December 2013. *Poster Presentation*

66. Nykaza, J.R.; Ye, Y.; Elabd, Y.A. Synthesis of Imidazolium-based Polymerized Ionic Liquid Diblock Copolymers. Gordon Research Conference – Polymers, South Hadley, MA, June 2013. *Poster Presentation*
67. Meek, K.M.; Elabd, Y.A. Chemical Stability of Imidazolium-based Block Copolymers as Anion Exchange Membranes. Gordon Research Conference – Polymers, South Hadley, MA, June 2013. *Poster Presentation*
68. Benjamin, R.R.; Nykaza, J.R.; Meek, K.M.; Ye, Y.; Elabd, Y.A. Development and Characterization of Solid State Polymer Electrolyte Membranes for Use in Alkaline Fuel Cells. National Conference on Undergraduate Research (NCUR), University of Wisconsin – La Crosse, La Crosse, Wisconsin, April 2013. *Poster Presentation*
69. Ye, Y.; Choi, J.; Wang, S.; Winey, K.I.; Elabd, Y.A. Hydroxide Conducting Polymerized Ionic Liquid Block Copolymers for Alkaline Fuel Cells. Annual Meeting of the American Institute of Chemical Engineers, Pittsburgh, PA October 2012. *Oral Presentation* **Invited Speaker**
70. Davis, E.M.; Elabd, Y.A. Non-Equilibrium Sorption and Anomalous Diffusion in Glassy Polymers. Annual Meeting of the American Institute of Chemical Engineers, Pittsburgh, PA October 2012. *Oral Presentation*
71. Kim, E.; Gordonov, T.; Liu, Y.; Elabd, Y.A.; Bentley, W.E.; Payne, G.F. Bio-based Redox-Capacitor to Intercede in Microbe-Electrode Electron Flow. Annual Meeting of the American Institute of Chemical Engineers, Pittsburgh, PA October 2012. *Oral Presentation*
72. Richey, F.W.; Dyatkin, B.; Gogotsi, Y.; Elabd, Y.A. Measuring Ion Transport in Energy Storage Devices Using In Situ Time-Resolved Infrared Spectroscopy. 222nd Electrochemical Society Meeting, Honolulu, HI, October 2012. *Oral Presentation*
73. Ye, Y.; Choi, J.; Wang, S.; Winey, K.I.; Elabd, Y.A. Ion Transport in Polymerized Ionic Liquid Block and Random Copolymers. World Polymer Congress, International Union of Pure and Applied Chemistry (IUPAC), Blacksburg, VA, June 2012. *Oral Presentation* **Invited Speaker**
74. Choi, J.; Ye, Y.; Green, M.D.; Elabd, Y.A.; Long, T.E.; Winey, K.I. Ion Conduction in Polymerized Ionic Liquid Thin Films. World Polymer Congress, International Union of Pure and Applied Chemistry (IUPAC), Blacksburg, VA, June 2012. *Oral Presentation*
75. Price, S.C.; Jackson, A.C.; Stokes, K.K.; Beyer, F.L.; Ye, Y.; Elabd, Y.A. Developing Ionomers with Controlled Morphologies for Anion Exchange Membranes. World Polymer Congress, International Union of Pure and Applied Chemistry (IUPAC), Blacksburg, VA, June 2012. *Oral Presentation*
76. Ye, Y.; Choi, J.-H.; Winey, K.I.; Elabd, Y.A. Polymerized Ionic Liquids: Comparing Ion Transport-Morphology Relationships in Block and Random Copolymers. Spring National Meeting of the American Chemical Society, San Diego, CA, March 2012. *Oral Presentation*

77. Weber, R.L.; Ye, Y.; Schmitt, A.L.; Banik, S.M.; Elabd, Y.A.; Mahanthappa, M.K. Nanostructured Polymerized Ionic Liquid Block Copolymers. Spring National Meeting of the American Chemical Society, San Diego, CA, March 2012. *Oral Presentation*
78. Davis, E.M.; McDermott, M.K.; Benetatos, N.M.; Elabd, Y.A. Drug Delivery in Biodegradable Polymer Coatings used in Drug-Eluting Medical Devices: An Infrared Spectroscopic Investigation. Spring National Meeting of the American Chemical Society, San Diego, CA, March 2012. *Oral Presentation*
79. Richey, F.; Elabd, Y.A. Ion Dynamics in Solid-State Polymer Electrolyte Electrochemical Cells using in situ Time-Resolved Infrared Spectroscopy. American Physical Society Meeting, Boston, MA, March 2012. *Oral Presentation*
80. Choi, J.-H.; Ye, Y.; Green, M.D.; Elabd, Y.A.; Long, T.E.; Winey, K.I. Ion Conduction in Polymerized Ionic Liquid Thin Films. American Physical Society Meeting, Boston, MA, March 2012. *Oral Presentation*
81. Choi, U.-H.; Lee, M.; Mittal, A.; Ye, Y.; Elabd, Y.A.; Gibson, H.; Runt, J.; Colby, R. Ion Conduction and Dielectric Response of Imidazolium-Based Single-Ion Conductors. American Physical Society Meeting, Boston, MA, March 2012. *Oral Presentation*
82. Elabd, Y.A.; Ye, Y.; Choi, J.-H.; Winey, K.I. Ion Transport in Polymerized Ionic Liquid Block and Random Copolymers. American Physical Society Meeting, Boston, MA, March 2012. *Oral Presentation*
83. Davis, E.D.; Minelli, M.; Baschetti, M.B.; Sarti, G.C.; Elabd, Y.A. Non-Equilibrium Water-Glassy Polymer Dynamics. American Physical Society Meeting, Boston, MA, March 2012. *Oral Presentation*
84. Beyer, F.L.; Price, S.; Jackson, A.; Gold, C.; Ye, Y.; Elabd, Y.A. Synthesis and Physical Behavior of Model Polymer Electrolyte Membranes for Alkaline Fuel Cells. American Physical Society Meeting, Boston, MA, March 2012. *Poster Presentation*
85. Wang, T.-S.; Ye, Y.; Elabd, Y.A.; Winey, K.I. Effect of Water Uptake on Morphology of Polymerized Ionic Liquid Block Copolymers and Random Copolymers. American Physical Society Meeting, Boston, MA, March 2012. *Poster Presentation*
86. Davis, E.D.; Minelli, M.; Baschetti, M.G.; Sarti, G.C.; Elabd, Y.A. Non-Equilibrium Sorption and Diffusion of Water In Polylactide: Experiments and Model Predictions. Annual Meeting of the American Institute of Chemical Engineers, Minneapolis, MN, October 2011. *Oral Presentation*
87. Dong, B.; Chen, H.; Snyder, J.D.; Elabd, Y.A. Super Conductive Nafion Nanofibers: Discovery, Fabrication, Properties and Fuel Cell Performance. 220th Electrochemical Society Meeting, Boston, MA, October 2011. *Oral Presentation*
88. Choi, U.H.; Ye, Y.; Lee, M.; Mittal, A.; Gibson, H.W.; Elabd, Y.A. Runt, J.; Colby, R.H. Conductivity and Dielectric Behavior of Imidazolium-based Polymers: Structure-Property Relationships. 4th Congress on Ionic Liquids, Arlington, VA, June 2011. *Oral Presentation*

89. Ye, Y.; Mace, E.J.; Elabd, Y.A. Stable Hydroxide Anion Exchange Polymerized Ionic Liquid. Spring National Meeting of the American Chemical Society, Anaheim, CA, March 2011. *Oral Presentation* **Invited Speaker**
90. Choi, U.H.; Ye, Y.; Lee, M.; Mittal, A.; Gibson, H.W.; Elabd, Y.A. Runt, J.; Colby, R.H. Time Scales of Ion Transport in Imidazolium-based Polymers. American Physical Society Meeting, Dallas, TX, March 2011. *Oral Presentation*
91. Beyer, F.L.; Stokes, K.; Orlicki, J.; Ye, Y.; Elabd, Y.A. Morphology and Transport Properties of Phosphoniumcontaining Styrenic Ionomers with Random Charge Placement. American Physical Society (DPOLY) Meeting, Dallas, TX, March 2011. *Oral Presentation*
92. Elabd, Y.A. Transport Phenomena in Proton Exchange Membranes: A Molecular Perspective. Advanced in Materials for Proton Exchange Membrane Fuel Cells Systems Meeting, sponsored by The Division of Polymer Chemistry (POLY) of the American Chemical Society, Asilomar, CA, February 2011. *Oral Presentation* **Invited Speaker**
93. Richey, F.; Elabd, Y.A. Ion Transport in Ionic Polymer Actuators using In Situ Time-Resolved Infrared Spectroscopy. 220th Electrochemical Society Meeting, Boston, MA, October 2011. *Poster Presentation* **Received 1st Place Award**
94. Davis, E.M.; Minelli, M.; Baschetti, M.G.; Sarti, G.C.; Elabd, Y.A. Sorption and Diffusion of Water Vapor in Polylactide: Experiments and Model Predictions. Spring National Meeting of the American Chemical Society, Anaheim, CA, March 2011. *Poster Presentation* **Received Excellence in Polymer Graduate Research Symposium Award**
95. Hallinan, D.T., Jr.; Elabd, Y.A. Understanding Water Diffusion and Ion Conductivity in Polymer Electrolyte Membranes. Annual Meeting of the American Institute of Chemical Engineers, Salt Lake City, UT, November 2010. *Oral Presentation*
96. Ye, Y.; Elabd, Y.A. Imidazolium-Based Polymerized Ionic Liquids for Solid Polymer Electrolytes: The Effect of Anion Type. Annual Meeting of the American Institute of Chemical Engineers, Salt Lake City, UT, November 2010. *Oral Presentation*
97. Hallinan, D.T., Jr.; De Angelis, M.G.; Baschetti, M.G.; Jr.; Sarti, G.C.; Elabd, Y.A. Water Transport in Proton Exchange Membranes: Insights from Time-Resolved Infrared Spectroscopy. 218th Electrochemical Society Meeting, Las Vegas, NV, October 2010. *Oral Presentation* **Invited Speaker**
98. Davis, E.M.; Elabd, Y.A.; Winey, K.I.; Regnault, W.F.; Benetatos, N.M. New Characterization Techniques for Assessing the Structure and Water Transport of Parylene Coatings. Spring National Meeting of the American Chemical Society, San Francisco, CA, March 2010. *Oral Presentation*
99. Hallinan, D.T., Jr.; Elabd, Y.A. Real-Time Molecular Measurements of Water Dynamics in Nafion using Fourier-Transform Infrared, Attenuated Total Reflectance Spectroscopy. Spring National Meeting of the American Chemical Society, San Francisco, CA, March 2010. *Oral Presentation* **Invited Speaker**

100. Ye, Y.; Salas-de la Cruz, D.; Winey, K.I.; Elabd, Y.A. Ion Conduction in Polymerized Ionic Liquids: The Effect of Anion Type. Spring National Meeting of the American Chemical Society, San Francisco, CA, March 2010. *Oral Presentation* **Invited Speaker**
101. Choi, J.-H.; Gwee, L.; Elabd, Y.A.; Winey, K.I. Morphologies in Diblock Copolymer and Ionic Liquid Mixtures. American Physical Society Meeting, Portland, OR, March 2010. *Oral Presentation*
102. Ye, Y.; Elabd, Y.A. Ion Conduction in Polymers Derived From Ionic Liquids. Gordon Research Conference – Polymer Physics, South Hadley, MA, June 2010. *Poster Presentation*
103. Davis, E.M.; Regnault, W.F.; Benetatos, N.M.; Elabd, Y.A. Water Transport in Glassy Polymers: Diffusion- Relaxation Phenomena. Gordon Research Conference – Polymer Physics, South Hadley, MA, June 2010. *Poster Presentation*
104. Gwee, L.; Choi, J.-H.; Winey, K.I.; Elabd, Y.A. Ionic Liquid-Polymer Solid-State Films: The Effect of Ionic Liquid Composition on Morphology and Ion Conduction. Spring National Meeting of the American Chemical Society, San Francisco, CA, March 2010. *Poster Presentation* **Received Excellence in Polymer Graduate Research Symposium Award**
105. Schaeffer, H.; Elabd, Y.A. Nafion-Based Anion Exchange Membranes for the Alkaline Fuel Cell. Spring National Meeting of the American Chemical Society, San Francisco, CA, March 2010. *Poster Presentation*
106. Schaeffer, H.; Elabd, Y.A. Nafion-Based Anion Exchange Membranes for the Alkaline Fuel Cell. Annual Meeting of the American Institute of Chemical Engineers, Nashville, TN, November 2009. *Oral Presentation*
107. Hallinan, D.T., Jr.; De Angelis, M.G.; Baschetti, M.G., Jr.; Sarti, G.C.; Elabd, Y.A. Understanding Mechanisms of Non-Fickian Water Diffusion in Polymer Electrolyte Membranes. Annual Meeting of the American Institute of Chemical Engineers, Nashville, TN, November 2009. *Oral Presentation*
108. Chen, H.; Ye, Y.; Gwee, L.; Choi, J.-H.; Salas-de la Cruz, D.; Winey, K.I.; Elabd, Y.A. Ionic Conduction in Polymerized Ionic Liquids. Polymers and Ionic Liquids Conference, Arlington, VA, September 2009. *Oral Presentation* **Invited Speaker**
109. Elabd, Y.A. Transport Phenomena in Polymer Electrolyte Membrane Fuel Cells. University of Pennsylvania Fuel Cell Symposium, Philadelphia, PA, September 2009. *Oral Presentation* **Invited Speaker**
110. Chen, H.; Gwee, L.; Choi, J.-H.; Salas-de la Cruz, D.; Winey, K.I.; Elabd, Y.A. Ionic Conduction in Polymerized Ionic Liquids and Ionic Liquid-Polymer Mixtures. Spring National Meeting of the American Chemical Society, Salt Lake City, UT, March 2009. *Oral Presentation* **Invited Speaker**
111. Choi, J.-H.; Gwee, L.; Elabd, Y.A.; Winey, K.I. Morphology and Ion Transport in Mixtures of Polymers and Ionic Liquid. American Physical Society Meeting, Pittsburgh, PA, March 2009. *Oral Presentation*

112. Choi, U.H.; Chen, H.; Liu, W.; Elabd, Y.A.; Colby, R.H. Understanding Ion Transport in Polymerized Ionic Liquids using Dielectric Spectroscopy. American Physical Society Meeting, Pittsburgh, PA, March 2009. *Oral Presentation*
113. Davis, E.M.; Theryo, G.; Hillmyer, M.A.; Cairncross, R.A.; Elabd, Y.A. Liquid Water Transport in Polylactide Using Time-Resolved FTIR-ATR Spectroscopy, Annual Meeting of the American Institute of Chemical Engineers, Nashville, TN, November 2009. *Poster Presentation*
114. Ye, Y.; Salas-de la Cruz, D.; Winey, K.I.; Elabd, Y.A. Ionic Conduction in Polymerized Ionic Liquids: The Effect of Anion Type. Polymers and Ionic Liquids Conference, Arlington, VA, September 2009. *Poster Presentation*
115. Gwee, L.; Choi, J.-H.; Winey, K.I.; Elabd, Y.A. Ionic Liquid-Block Copolymer Solid-State Films: The Effect of Ionic Liquid Composition on Ion Conduction and Morphology. Polymers and Ionic Liquids Conference, Arlington, VA, September 2009. *Poster Presentation*
116. Gwee, L.; Elabd, Y.A. In Situ Time-Resolved FTIR-ATR Spectroscopy Measurements of Polymer-Ionic Liquid Actuators Under an Applied Electric Field. Polymers and Ionic Liquids Conference, Arlington, VA, September 2009. *Poster Presentation*
117. Ye, Y.; Salas-de la Cruz, D.; Winey, K.I.; Elabd, Y.A. Ionic Conduction in Polymerized Ionic Liquids: The Effect of Anion Type. University of Pennsylvania Fuel Cell Symposium, Philadelphia, PA, September 2009. *Poster Presentation*
118. Schaeffer, H.; Elabd, Y.A. Nafion-Based Anion Exchange Membranes for the Alkaline Fuel Cell. University of Pennsylvania Fuel Cell Symposium, Philadelphia, PA, September 2009. *Poster Presentation*
119. Schaeffer, H.; Elabd, Y.A. Nafion-Based Anion Exchange Membranes for the Alkaline Fuel Cell. 11th Grove Fuel Cell Symposium, London, England, September 2009. *Poster Presentation*
120. Hallinan, D.T., Jr.; De Angelis, M.G.; Giacinti Baschetti, M.; Sarti, G.C.; Elabd, Y.A. Non-Fickian Diffusion of Water in Nafion. Annual Meeting of the American Institute of Chemical Engineers, Philadelphia, PA, November 2008. *Oral Presentation*
121. Gwee, L.; Choi, J.-H.; Salas-de la Cruz, D.; Winey, K.I.; Elabd, Y.A. Highly Conductive Ionic Liquid-Homopolymer Mixtures. Annual Meeting of the American Institute of Chemical Engineers, Philadelphia, PA, November 2008. *Oral Presentation*
122. Dever, D.; Cairncross, R.A.; Elabd, Y.A. Planar Model for the Cathode Layer for Polymer Electrolyte Fuel Cells. Annual Meeting of the American Institute of Chemical Engineers, Philadelphia, PA, November 2008. *Oral Presentation*
123. Chen, H.; Choi, J.-H.; Salas-de la Cruz, D.; Winey, K.I.; Elabd, Y.A. Ionic Liquid Polymers: The Effect of Copolymer Composition on Structure and Ion Conduction. Fall National Meeting of the American Chemical Society, Philadelphia, PA, August 2008. *Oral Presentation*

124. Schaeffer, H.; Elabd, Y.A. Nafion-Based Anion Exchange Membranes for the Alkaline Fuel Cell. Annual Meeting of the American Institute of Chemical Engineers, Philadelphia, PA, November 2008. *Poster Presentation*
125. Throckmorton, J.A.; Hallinan, D.T., Jr.; Elabd, Y.A. Diffusion of Water and Methanol in Nafion: In Situ Infrared Experiments and Multicomponent Models. Annual Meeting of the American Institute of Chemical Engineers, Philadelphia, PA, November 2008. *Poster Presentation* **Received 2nd Place Award in the Materials Science and Engineering Poster Competition**
126. Chen, H.; Elabd, Y.A. Ionic Liquid Polymers: Electrospinning and Solution Properties. Fall National Meeting of the American Chemical Society, Philadelphia, PA, August 2008. *Poster Presentation*
127. Hallinan, D.T., Jr.; De Angelis, M.G.; Giacinti Baschetti, M.; Elabd, Y.A. Non-Fickian Diffusion of Water in Nafion. Gordon Research Conference – Polymer Physics, Newport, RI, July 2008. *Poster Presentation*
128. Chen, H.; Snyder, J.D.; Elabd, Y.A. Electrospinning Nafion® Nanofibers. Annual Meeting of the American Institute of Chemical Engineers, Salt Lake City, UT, November 2007. *Oral Presentation*
129. Hallinan, D.T., Jr.; Elabd, Y.A. Water Transport in Nafion® Using Time-Resolved FTIR-ATR Spectroscopy. Annual Meeting of the American Institute of Chemical Engineers, Salt Lake City, UT, November 2007. *Oral Presentation*
130. DeLuca, N.W.; Elabd Y.A. Effects of Membrane Preparation and Treatment on Transport Properties in Recast Nafion® Membranes. Annual Meeting of the American Institute of Chemical Engineers, Salt Lake City, UT, November 2007. *Oral Presentation*
131. Rahmathullah, A.M.; Elabd Y.A.; Palmese, G.R. Design of Nanoporous, Proton-Conductive Polymer Thermosets. Annual Meeting of the American Institute of Chemical Engineers, Salt Lake City, UT, November 2007. *Oral Presentation*
132. Schaeffer, H.; Chen, H.; Snyder, J.D.; Rahmathullah, A.M.; Palmese, G.R.; Elabd, Y.A. Electrosensitive Permeability of Polymer-Polymer Nanocomposite Membranes. Fall National Meeting of the American Chemical Society, Boston, MA, August 2007. *Oral Presentation*
133. Elabd, Y.A. Transport Phenomena in Polymer Electrolyte Membranes for the Direct Methanol Fuel Cell. NATO Advanced Study Institute on Mini-Micro Fuel Cells as Electric Energy Generators, Cesme, Izmir, Turkey, July 2007. *Oral Presentation* **Invited Speaker**
134. Hallinan, D.T., Jr.; Elabd, Y.A. Transport of Water in Nafion® using Time-Resolved FTIR-ATR Spectroscopy. Annual Meeting of the North American Membrane Society, Orlando, FL, May 2007. *Oral Presentation*
135. Elabd, Y.A. Methanol Crossover: New Insights and Experimental Techniques. Advanced in Materials for Proton Exchange Membrane Fuel Cells Systems Meeting, sponsored by

The Division of Polymer Chemistry (POLY) of the American Chemical Society, Asilomar, CA, February 2007. *Oral Presentation* **Invited Speaker**

136. Gwee, L.; Elabd, Y.A. Highly Conductive Ionic Liquid-Polymer Membranes. Annual Meeting of the American Institute of Chemical Engineers, Salt Lake City, UT, November 2007. *Poster Presentation*
137. Eirich, B.D.; Elabd, Y.A. Ion-Exchanged Carbon Supported Platinum Catalysts for Hydrogen Fuel Cells. Annual Meeting of the American Institute of Chemical Engineers, Salt Lake City, UT, November 2007. *Poster Presentation*
138. Schaeffer, H.; Elabd Y.A. Transport in Polymer-Polymer Nanocomposite Membranes. Annual Meeting of the American Institute of Chemical Engineers, Salt Lake City, UT, November 2007. *Poster Presentation*
139. Snyder, J.D.; Elabd Y.A. Nafion® Nanofibers and their Effect on Polymer Electrolyte Membrane Fuel Cell Performance. Annual Meeting of the American Institute of Chemical Engineers, Salt Lake City, UT, November 2007. *Poster Presentation* **Received 2nd Place Award in the Materials Science and Engineering Poster Competition**
140. DeLuca, N.W.; Elabd, Y.A. Blend Membranes with Sulfonated Poly(vinyl alcohol) for the Direct Methanol Fuel Cell. Annual Meeting of the North American Membrane Society, Orlando, FL, May 2007. *Poster Presentation* **Received Elias Klein Founders' Travel Award (\$500)**
141. Jeff-eke, D.; Hallinan D.T., Jr.; Elabd, Y.A. Nafion®/Clay Nanocomposites for Direct Methanol Fuel Cells (DMFCs): Preparation Techniques, Characterization, and Conductivity Analysis. 21st National Conference on Undergraduate Research (NCUR®), Dominican University of California, CA, April 2007. *Poster Presentation*
142. Hallinan, Jr., D.T.; Elabd, Y.A. Transport of Water in Nafion® using Time-Resolved FTIR-ATR Spectroscopy. Fuel Cells 2007 Meeting, sponsored by The Division of Polymer Chemistry (POLY) of the American Chemical Society, Asilomar, CA, February 2007. *Poster Presentation*
143. Rahmathullah, A.M.; Elabd, Y.A.; Palmese, G.R. Plasma-Radiation Enhanced Nanofiber-Thermoplastic Composites. Materials Research Society Fall Meeting, Boston, MA, November 2006. *Oral Presentation*
144. Rahmathullah, A.M.; Elabd, Y.A.; Palmese, G.R. Structure, Property and Cure Kinetics of Thermosetting Copolymers. Annual Meeting of the American Institute of Chemical Engineers, San Francisco, CA, November 2006. *Oral Presentation*
145. Hallinan, D.T., Jr.; Elabd, Y.A. Multicomponent Transport of Water and Methanol in Nafion®. Annual Meeting of the American Institute of Chemical Engineers, San Francisco, CA, November 2006. *Oral Presentation* **Received Schering-Plough Research Institute Travel Award (\$2,000)**
146. DeLuca, N.W.; Elabd, Y.A. Nafion® Blend Membranes for the Direct Methanol Fuel Cell. Annual Meeting of the American Institute of Chemical Engineers, San Francisco, CA, November 2006. *Oral Presentation*

147. Chen, H.; Palmese, G.R.; Elabd, Y.A. Membranes with Oriented Polyelectrolyte Nanodomains. Fall National Meeting of the American Chemical Society, San Francisco, CA, September 2006. *Oral Presentation*
148. Chen, H.; Palmese, G.R.; Elabd, Y.A. Membranes with Oriented Polyelectrolyte Nanodomains as Breathable Barriers for Protective Clothing. 25th Army Science Conference, Orlando, FL, November 2006. *Poster Presentation*
149. Rahmathullah, A.M.; Elabd, Y.A.; Palmese, G.R. Plasma-Radiation Enhanced Nanofiber-Thermoplastic Composites. Annual Meeting of the American Institute of Chemical Engineers, San Francisco, CA, November 2006. *Poster Presentation*
150. DeLuca, N.W.; Elabd, Y.A. Nafion®/Poly(vinyl alcohol) Blend Membranes for the Direct Methanol Fuel Cell. Annual Meeting of the North American Membrane Society, Chicago, IL, May 2006. *Poster Presentation*
151. Hallinan, D.T., Jr.; Elabd, Y.A. Multicomponent Transport of Water and Methanol in Nafion®. Annual Meeting of the North American Membrane Society, Chicago, IL, May 2006. *Poster Presentation* **Received NAMS Poster Award (\$500) and NAMS Annual Meeting Student Travel Award (\$1,000)**
152. Rahmathullah, A.M.; Elabd, Y.A.; Palmese, G.R. Multifunctional Nanoporous Thermosetting Copolymer Membranes: Synthesis and Characterization. Annual Meeting of the North American Membrane Society, Chicago, IL, May 2006. *Poster Presentation* **Received Elias Klein Founders' Travel Award (\$500)**
153. Rahmathullah, A.M.; Elabd, Y.A.; Palmese, G.R. Multifunctional Nanoporous Thermosetting Copolymers. American Chemical Society Local Section 6th Annual Poster Session, Villanova University, Philadelphia, PA, January 2006. *Poster Presentation* **Received the EssTech Polymers and Materials Science Award**
154. Hronec, C.; Elabd, Y.A. Catalyst Layer Network Formation in Polymer Electrolyte Membrane Fuel Cells. Annual Meeting of the American Institute of Chemical Engineers, Cincinnati, OH, November 2005. *Oral Presentation*
155. Chen, H.; Palmese, G.R.; Elabd, Y.A. Polyester-Polyelectrolyte Nanocomposite Membranes as Breathable and Responsive Barriers. Annual Meeting of the American Institute of Chemical Engineers, Cincinnati, OH, November 2005. *Oral Presentation*
156. DeLuca, N.W.; Elabd, Y.A. Nafion®/Poly(vinyl alcohol) Blends: Effects of Crosslinking Conditions on Transport Properties. Annual Meeting of the American Institute of Chemical Engineers, Cincinnati, OH, November 2005. *Oral Presentation*
157. Raghav, S.; Elabd, Y.A. Polymer-Filled Nanoporous Membranes. Annual Meeting of the American Institute of Chemical Engineers, Cincinnati, OH, November 2005. *Oral Presentation*
158. Soroush, M.; Elabd, Y.A. Control Configuration Selection for Fuel Cell Stack Systems, Annual Meeting of the American Institute of Chemical Engineers, Cincinnati, OH, November 2005. *Oral Presentation*

159. Rahmathullah, A.M.; Elabd, Y.A.; Palmese, G.R. Synthesis and Characterization of Thermosetting Copolymers as PEMs. Annual Meeting of the American Institute of Chemical Engineers, Cincinnati, OH, November 2005. *Oral Presentation*
160. Hronec, C.; Walker, C.W.; Elabd, Y.A. Catalyst Layer Network Formation and Its Effect on Fuel Cell Performance. Fall National Meeting of the American Chemical Society, Washington, DC, August 2005. *Oral Presentation*
161. Chen, H.; Palmese, G.R.; Elabd, Y.A. Polyester-Poly(methacrylic acid) Nanocomposite Membranes as Breathable Barriers. Fall National Meeting of the American Chemical Society, Washington, DC, August 2005. *Oral Presentation*
162. Wu, L-Q.; Ghodssi, R.; Elabd, Y.A.; Payne, G.F. Biomimetic Pattern Transfer from a Hard Material to a Soft Biomaterial. Fall National Meeting of the American Chemical Society, Washington, DC, August 2005. *Oral Presentation*
163. Chen, H.; Rahmathullah, A.M.; Hallinan, D.T., Jr.; Napadensky, E.; Palmese, G.R.; Elabd, Y.A. Polymer-Polymer Nanocomposite Membranes as Breathable and Responsive Barriers. 2005 Scientific Conference on Chemical and Biological Defense Research, Timonium, MD, November 2005. *Poster Presentation*
164. Hallinan, D.T., Jr.; Elabd, Y.A. Transport of Water in Nafion® using Time-Resolved FTIR-ATR Spectroscopy. Annual Meeting of the American Institute of Chemical Engineers, Cincinnati, OH, November 2005. *Poster Presentation*
165. Rahmathullah, A.M.; Elabd, Y.A.; Palmese, G.R. Multifunctional Nanoporous Thermosetting Copolymer Matrices. American Society of Composites Annual Meeting, Philadelphia, PA, September 2005. *Poster Presentation*
166. Rahmathullah, A.M.; Palmese, G.R.; Elabd, Y.A. Proton Conductive Nanoporous Thermosetting Copolymers, Fall National Meeting of the American Chemical Society, Washington, DC, August 2005. *Poster Presentation*
167. Soroush, M.; Elabd, Y.A. Process Systems Engineering Challenges in Fuel Cell Technology for Automobiles. Annual Meeting of the American Institute of Chemical Engineers, Austin, TX, November 2004. *Oral Presentation*
168. Elabd, Y.A.; Walker, C.W. Proton Conducting Block Copolymers and their Application to the Direct Methanol Fuel Cell. 41st Power Sources Conference, Philadelphia, PA, June 2004. *Oral Presentation*
169. Elabd, Y.A.; Napadensky, E.; Walker, C.W. Proton Conducting Block Copolymers: Sulfonation, Characterization and Application to the Direct Methanol Fuel Cell. Spring National Meeting of the American Chemical Society, Anaheim, CA, March 2004. *Oral Presentation* **Invited Speaker**
170. Sloan, J.M.; Napadensky, E.; Crawford D.M.; Elabd, Y.A. Nanostructured Polymer Membranes for Chemical Protective Clothing. 24th Army Science Conference, Orlando, FL, December 2004. *Poster Presentation*

171. Raghav, S.; Elabd, Y.A. Conductive Properties of Pore-Filled Track-Etched Membranes. Annual Meeting of the American Institute of Chemical Engineers, Austin, TX, November 2004. *Poster Presentation* **Received 2nd Place Award in the Materials Science and Engineering Poster Competition**
172. DeLuca, N.W.; Elabd, Y.A. Proton Conducting Homopolymer and Random Copolymer Blends Containing Poly(vinyl alcohol). Annual Meeting of the American Institute of Chemical Engineers, Austin, TX, November 2004. *Poster Presentation*
173. Napadensky, E.; Sloan, J.M.; Elabd, Y.A. Breathability and Selectivity of Selected Materials for Protective Clothing. Fall National Meeting of the American Chemical Society, Philadelphia, PA, August 2004. *Poster Presentation*
174. Elabd, Y.A.; Napadensky, E.; Sloan, J.M.; Crawford, D.M.; Walker, C.W. Transport Properties of Triblock Copolymer Ionomer Membranes for Fuel Cells. 23rd Army Science Conference, Orlando, FL, December 2002. *Oral Presentation*
175. Sloan, J.M.; Elabd, Y.A.; Napadensky, E. Sulfonated Block Copolymer Ionomers for Use in Direct Methanol Fuel Cells. Annual Technical Conference (ANTEC) of the Society of Plastics Engineers, San Francisco, CA, May 2002. *Poster Presentation*
176. Sloan, J.M.; Crawford D.M.; Elabd, Y.A.; Napadensky, E.; Zukas, W.X.; Kendrick, C. Mechanical Properties and Water Vapor Transport Properties of Sulfonated Block Copolymers. Spring National Meeting of the American Chemical Society, Orlando, FL, April 2002. *Poster Presentation*
177. Sloan, J.M.; Elabd, Y.A.; Napadensky, E. Monitoring Permeation Through Polymer Membranes by Continuous Flow FTIR-ATR with a Side-by-Side Diffusion Cell. The Pittsburgh Conference of Analytical Chemistry and Applied Spectroscopy, New Orleans, LA, March 2002. *Poster Presentation*
178. Elabd, Y.A.; Sloan, J.M.; Napadensky, E.; Walker, C. Block Copolymer Ionomers as Solid Polymer Electrolyte Membranes for Application to the Direct Methanol Fuel Cell. Annual Meeting of the American Institute of Chemical Engineers, Reno, NV, November 2001. *Oral Presentation*
179. Elabd, Y.A.; Sloan, J.M.; Napadensky, E.; McKnight, S.M. Understanding Transport Mechanisms in Ionomer Membranes. Annual Meeting of the American Institute of Chemical Engineers, Reno, NV, November 2001. *Oral Presentation*
180. Elabd, Y.A.; Barbari, T.A. Understanding Multicomponent Transport in a Polymer Membrane for the Separation of Interacting Mixtures. Spring National Meeting of the American Chemical Society, San Diego, CA, April 2001. *Oral Presentation* **Invited Speaker**
181. Napadensky, E.; Sloan, J.M.; Elabd, Y.A. Solvent Diffusion in Polymers by FT-IR-ATR. Eastern Analytical Conference, Atlantic City, NJ, October 2001. *Poster Presentation*
182. Elabd, Y.A.; Sloan, J.M.; Napadensky, E.; Walker, C. Examination of Block Copolymer Ionomers as Solid Polymer Electrolyte Membranes. Annual Meeting of the North American Membrane Society, Lexington, KY, May 2001. *Poster Presentation*

183. Elabd, Y.A.; Barbari, T.A. Multicomponent Diffusion of Interacting Penetrants in a Polymer. Annual Meeting of the American Institute of Chemical Engineers, Los Angeles, CA, November 2000. *Oral Presentation*
184. Elabd, Y.A.; Barbari, T.A. Small Molecule Transport Mechanisms in Polymers: Insights from FTIR-ATR Spectroscopy. Third Joint China/USA Chemical Engineering Conference, Beijing, China, September 2000. *Oral Presentation*
185. Elabd, Y.A.; Sloan, J.M.; Beck Tan, N.; Barbari, T.A. Diffusion in a Phase-Segregated Polymer with Reversible Binding to Dispersed-Phase Surfaces. Annual Meeting of the American Institute of Chemical Engineers, Los Angeles, CA, November 2000. *Poster Presentation*
186. Elabd, Y.A.; Barbari, T.A. Multicomponent Diffusion of Interacting Penetrants in Polymer Membranes. Gordon Research Conference - Membranes: Materials and Processes, New London, CT, July 2000. *Poster Presentation*
187. Elabd, Y.A.; Barbari, T.A. Diffusion with Solvation in Homogeneous and Heterogeneous Polymeric Membranes. Annual Meeting of the North American Membrane Society, Boulder, CO, May 2000. *Poster Presentation*
188. Elabd, Y.A.; Barbari, T.A. Probing Complex Molecular Transport Mechanisms with FTIR-ATR Spectroscopy. Annual Meeting of the American Institute of Chemical Engineers, Dallas, TX, November 1999. *Oral Presentation*
189. Elabd, Y.A.; Barbari, T.A. Understanding the Role of Penetrant-Polymer Solvation on Small Molecule Diffusion. Annual Meeting of the American Institute of Chemical Engineers, Dallas, TX, November 1999. *Oral Presentation*
190. Elabd, Y.A.; Barbari, T.A. Diffusion of Acetic Acid in Polyisobutylene: Probing Small Molecule Structures. Annual Meeting of the American Institute of Chemical Engineers, Dallas, TX, November 1999. *Oral Presentation*
191. Elabd, Y.A.; Barbari, T.A. Effect of Penetrant-Polymer Hydrogen Bonding on the Transport Process. The Johns Hopkins University Annual Chemical Engineering Symposium, Baltimore, MD, December 1999. *Poster Presentation*
192. Elabd, Y.A.; Barbari, T.A. Probing Complex Molecular Transport Mechanisms Through Polymeric Membranes with FTIR-ATR Spectroscopy. The Johns Hopkins Annual Chemical Engineering Symposium, Baltimore, MD, December 1998. *Oral Presentation*
193. Elabd, Y.A.; Barbari, T.A.; Sloan, J.M. Diffusion as a Morphological Probe in Polyurethane Elastomers. Annual Meeting of the American Institute of Chemical Engineers, Miami Beach, FL, November 1998. *Oral Presentation*
194. Hong, S.U.; Elabd, Y.A.; Barbari, T.A. Multicomponent Diffusion of a Vapor Mixture in a Polymeric Film from Sorption Kinetics: Spectroscopic Measurements and the Conditions for a Pseudo-Binary Analysis. Annual Meeting of the American Institute of Chemical Engineers, Los Angeles, CA, November 1997. *Oral Presentation*

195. Elabd, Y.A.; Hong, S.U.; Barbari, T.A. Multicomponent Diffusion Measurements in Polymeric Membranes Using FTIR-ATR Spectroscopy. Annual Meeting of the North American Membrane Society, Baltimore, MD, June 1997. *Poster Presentation*
196. Payne, G.F.; Lenhart, J.L.; Elabd, Y.A. Tyrosinase-Reaction Coupled to Chitosan Adsorption for Separations and Polymer Modifications. Spring National Meeting of the American Chemical Society, New Orleans, LA, March 1996. *Oral Presentation*
197. Payne, G.F.; Elabd, Y.A.; Lenhart, J.L.; Rameriz, D.M. Enzymatic Modification of Chitosan by Tyrosinase. Spring National Meeting of the American Chemical Society, New Orleans, LA, March 1996. *Oral Presentation*
198. Bush, K.D.; Madurawe, R.D.; Elabd, Y.A.; Lumpkin, J.A. Qualitative Analysis of Structural Damage to LDH in Metal Affinity Systems. Spring National Meeting of the American Chemical Society, New Orleans, LA, March 1996. *Oral Presentation*

POSTDOCTORAL SCHOLAR ADVISEES

1. Rui Sun
2. Monica Hwang (SigmaGraft)
3. John Collins (IBM)
4. X. Wang (Plains Mainstream Canada)
5. Y. Ye (FDA)
6. Bin Dong (Soochow Univ.)
7. Hong Chen

PHD STUDENT ADVISEES

1. Arthur Kleiderer, Ph.D. expected 2024
2. Kevin Nixon, Ph.D. expected 2023
3. Dohyun Kim, Ph.D. expected 2023
4. Yifei Yang, Ph.D. expected 2022
5. Patrick Lathrop, Ph.D. 2021 (Franklin International)
6. Rui Sun, Ph.D. 2020 (Texas A&M Univ.)
7. Tzu-Ling Chen, Ph.D. 2020 (Rivian)
8. Monica Hwang, Ph.D. 2019 (SigmaGraft)
9. Melissa C. Santos, Ph.D. 2017 (Finnegan, Henderson, Farabow, Garrett & Dunner, LLP)
10. Kelly M. Meek, Ph.D. 2016 (Univ. Ottawa)
11. Jacob R. Nykaza, Ph.D. 2016 (Saft)
12. Francis W. Richey, Ph.D. 2014 (Eos Energy Enterprises, Inc.)
13. Eric M. Davis, Ph.D. 2013 (Clemson Univ.)
14. Dennis O. Dever, Ph.D. 2013 (Armstrong Engineering)
15. Holly L.S. Salerno, Ph.D. 2011 (DuPont)
16. Liang Gwee, Ph.D. 2010 (Eastman Chemical)
17. Daniel T. Hallinan, Jr., Ph.D. 2009 (Florida St. Univ.)
18. Aflal M. Rahmathullah, Ph.D. 2008 (Donaldson)
19. Nicholas W. DeLuca, Ph.D. 2008 (Lubrizol)

MS STUDENT ADVISEES

1. Mahesh Agrawal
2. Akshaya Kulkarni
3. Arthur Kleiderer

4. Rui Sun
5. Tzu-Ling Chen
6. Ana Pillado
7. Eric Mace
8. Shane Kenney
9. Daniel M. Shay
10. Benjamin D. Eirich
11. Joshua D. Snyder (Drexel Univ.)
12. Tamika Avery
13. Damilola O. Okojie
14. Christine Hronec
15. Sunil Raghav

UNDERGRADUATE STUDENT ADVISEES

1. N. Mara
2. S. Musso
3. S. Beaumariage
4. M. Doan (Solvay)
5. M. Courtney
6. J. Daddario
7. D. Walker
8. T. Kubbar
9. M. Karenson
10. Y. Shi
11. B. Alexander
12. N. Glandon
13. M. Moerbe
14. R. Nelson
15. R. Benjamin
16. S. Hausler
17. K. Mattson
18. R. Ventura
19. U. Amira
20. M. Torelli
21. K. Padagaonkar
22. T. Ahmed
23. I. Ahmed (Merck)
24. K. Wujcik (Blue Current)
25. C. Bower
26. C. Anyigbo
27. D. Mattson
28. K. Gold
29. C.-H. Lim (New Iridium Inc)
30. S. Kenney
31. D.M. Shay
32. B.D. Eirich
33. J.D. Snyder
34. D.A. Wunderlich
35. S.R. Young
36. H. Ghebremichael (Dow Chemical)
37. M. Miller

38. B.N. Sirin
39. J. Atchison
40. D.O. Okojie
41. C. Hronec

NSF-REU STUDENT ADVISEES

1. S. Gunnels
2. N. Wallace
3. K. Ware
4. D. Jeff-eke
5. A. Backmann

HIGH SCHOOL STUDENT ADVISEES

1. S. Jayaraman
2. J. Dudo

PHD DISSERTATIONS

1. Lathrop, P.M. Ph.D. Dissertation, Poly(Ionic Liquid) ABC Triblock Terpolymers: Targeted Synthesis and 3D Network Morphologies, August 2021.
2. Sun, R. M. Ph.D. Dissertation, Hydroxide Conducting and Proton Conducting Poly(ionic liquids), Texas A&M University, August 2020.
3. Chen, T.-L. Ph.D. Dissertation, Poly(ionic liquid) Block Copolymers as Solid Polymer Electrolytes for Lithium Ion Batteries, Texas A&M University, August 2020.
4. Hwang, M. Ph.D. Dissertation, Ultra-Low Platinum and Platinum-Free Fuel Cells, Texas A&M University, May 2019.
5. Santos, M.C. Ph.D. Dissertation, Liquid Water Transport in Polymer Films and Membranes, Texas A&M University, May 2017.
6. Meek, K.M. Ph.D. Dissertation, Alkaline Chemical Stability and Ion Transport in Polymerized Ionic Liquid Anion Exchange Membranes, Texas A&M University, May 2016.
7. Nykaza, J.R. Ph.D. Dissertation, Imidazolium-Based Block Copolymers as Solid-State Separators for Alkaline Fuel Cells and Lithium Ion Batteries, Drexel University, April 2016.
8. Richey, F.W. Ph.D. Dissertation, Ion Dynamics in Electrochemical Capacitors Using Infrared Spectroelectrochemistry, Drexel University, April 2014.
9. Davis, E.M. Ph.D. Dissertation, Water Sorption and Diffusion in Glassy Polymers, Drexel University, May 2013.
10. Dever, D.O. Ph.D. Dissertation, Nanofiber, Ideal Fiber, and Planar Cathode Catalyst Layer Models for the Proton Exchange Membrane Fuel Cell, Drexel University, May 2013.
11. Salerno, H.L.S. Ph.D. Dissertation, Anion Exchange Membranes Derived from the Nafion Precursor for the Alkaline Fuel Cell, Drexel University, December 2011.
12. Gwee, L. Ph.D. Dissertation, Ion Transport in Polymer/Ionic Liquid Films, June 2010.
13. Hallinan, Jr., D.T. Ph.D. Dissertation, Transport in Polymer Electrolyte Membranes Using Time-Resolved FTIR-ATR Spectroscopy, Drexel University, June 2009.
14. Rahmathullah, A.M. Ph.D. Dissertation, Multifunctional Polymers by Incorporating Ionic Groups at Molecular and Mesoscopic Length Scales, Drexel University, March 2008.
15. DeLuca, N.W. Ph.D. Dissertation, Polymer Electrolyte Blend Membranes for the Direct Methanol Fuel Cell, Drexel University, February 2008.

MS THESES

1. Agrawal, M. M.S. Thesis, Synthesis of Triblock Terpolymer Poly(styrene-b-vinylbenzyl methylpyrrolidinium chloride-b-octylstyrene) using Reverse Addition Fragmentation Chain Transfer Polymerization, Texas A&M University, May 2020.
2. Kleiderer, A. M.S. Thesis, Electrospun/Electrosprayed Aligned Fuel Cell Electrodes, Texas A&M University, August 2017.
3. Sun, R. M.S. Thesis, Polymerized Ionic Liquid Derived Carbon, Texas A&M University, August 2016.
4. Chen, T.-L. M.S. Thesis, Hybrid Capacitor with Polyaniline/Carbon Electrodes, Texas A&M University, August 2016.
5. Mace, E. M.S. Thesis, Transport in Fuel Cell Ion Exchange Membranes: Molecular Mechanisms and Mathematical Modeling, Drexel University, December 2011.
6. Shay, D.M. M.S. Thesis, Ion-Exchanged Carbide Derived Carbon-Supported Platinum Catalysts for Fuel Cells, Drexel University, August 2008.
7. Eirich, B.D. M.S. Thesis, Ion-Exchanged Carbon Supported Platinum Catalysts for Fuel Cells, Drexel University, August 2007. **Received Drexel University Most Outstanding Masters Award**
8. Snyder, J.D. M.S. Thesis, Nafion Nanofibers and their Effect on Polymer Electrolyte Membrane Fuel Cell Performance, Drexel University, August 2006.
9. Hronec, C. M.S. Thesis, Catalyst Layer Network Formation in Polymer Electrolyte Membrane Fuel Cells, Drexel University, June 2005.
10. Raghav, S. M.S. Thesis, Polymer-Filled Nanoporous Membranes, Drexel University, June 2005.

GRADUATE/UNDERGRADUATE STUDENT RESEARCH AWARDS

1. Rui Sun – 2020 AIChE Polymers (Area 8A) Graduate Award Symposium, 2020 ACS Excellence in Polymer Graduate Research Symposium, 2019 Phillips 66 Fellowship
2. Tzu-Ling Chen – 2019 Brunner Barns Fellowship
3. Patrick Lathrop – 2018 Phillips 66 Fellowship
4. Kelly Meek – 2017 DSM Science & Technology Award Finalist @2017 Fall ACS National Meeting; 2nd Place Award in Excellence in Graduate Polymer Research Session @2016 AIChE National Meeting; 2015 Phillips 66 Fellowship
5. Rishon Benjamin – 2013 Goldwater Scholarship; 2014 AIChE Poster Award (3rd Place) in the Materials Science and Engineering Section
6. Francis Richey – William A. Casey Fellowship; 2013 ECS Student Travel Award; Leroy Dresser Fellow; 2011 ECS Poster Award (1st Place)
7. Erich Mace – NSF-IGERT Fellow, 2010-2011
8. Eric M. Davis – George Hill Jr. Fellow; 2012 Meeting of the Noble Laureates Lindau Award; 2011 ACS Excellence in Polymer Graduate Research Symposium; FDA Biomedical Devices Fellow
9. Ishtiaque Ahmed - 2012 NSF Graduate Research Fellowship
10. Liang Gwee - 2010 ACS Excellence in Polymer Graduate Research Symposium
11. James Throckmorton - Koerner Family Fellow; 2008 AIChE Poster Award (2nd Place) in the Materials Science and Engineering Section
12. Daniel T. Hallinan Jr. - George Hill Jr. Fellow, DoEd-GAANN Fellow; Drexel University Graduate Student Research Excellence Award; NSF-IGERT Fellow; Schering-Plough Research Institute Travel Award; North American Membrane Society Poster Award; North American Membrane Society Annual Meeting Student Travel Award; University Teaching Assistance Excellence Award
13. Nicholas W. DeLuca - DoEd GAANN Fellow; Koerner Family Fellow; North American Membrane Society Elias Klein Founders' Travel Award

14. Aflal M. Rahmathullah - American Society for Composites PhD Research Award; University Graduate Student Research Excellence Award; Department Outstanding Graduate Student Research Award; SAMPE Student Symposium Award (3rd place); North American Membrane Society Elias Klein Founders' Travel Award; American Chemical Society Esstech Polymers and Materials Science Graduate Student Poster Award; American Society for Composites Poster Award (honorable mention)
15. Joshua D. Snyder - 2007 AIChE Poster Award (2nd Place) in the Materials Science and Engineering Section
16. Benjamin D. Eirich - 2007 Drexel University Most Outstanding Masters Award
17. Tamika Avery - NSF Bridges to Doctorate Fellow
18. Sunil Raghav - 2004 AIChE Poster Award (2nd Place) in the Materials Science and Engineering Section

TEACHING

COURSES TAUGHT

@ Texas A&M University

Junior Courses

CHEN 323: Chemical Engineering Heat Transfer (F15, F16)

CHEN 324: Chemical Engineering Mass Transfer Operations (S15, S16, F17, S18, F18, S19)

ENGR 385: Co-op (Su16, F16, S17, Su17, F17, S18, Su18, F18)

Senior Courses

CHEN 469: Chemical Engineering Car Design (S16, F16, S17, F17)

CHEN 489: Zymology (F17)

Graduate Courses

CHEN 629: Transport Phenomena (F14, S17)

New Course Development

CHEN 489: Zymology (new undergraduate elective course)

@ Drexel University

Freshmen Courses

ENGR 101: Engineering Design Lab I (F06, F08)

ENGR 102: Engineering Design Lab II (W07, W09)

ENGR 103: Engineering Design Lab III (S07)

Sophomore Courses

CHE 206: Basic Thermodynamics (Su08, Su13)

Junior Courses

CHE 301: Process Thermodynamics (S10, F12, F13, S14)

CHE 303: Process Heat Transfer (F03, S04, F04, S05, F05, S06)

Senior Courses

CHE 424: Kinetics and Reactor Design (F06, F07, F08)

Graduate Courses

CHE 525: Transport Phenomena I (W05, W06, W07, W08, W09, W10, W11, W12, W13, W14)

CHE 800: Polymer Physics III (S09)

CHE 626: Transport Phenomena II (S11, S12)

New Course Development

CHE 301 - Process Thermodynamics (major revision to core undergraduate course)

CHE 800 - Polymer Physics Laboratory (new graduate course)

CHE 206 - Basic Thermodynamics (major revision to core undergraduate course)

CHE 303 - Process Heat Transfer (major revision to core undergraduate course)

CHE 424 - Kinetics and Reactor Design (major revision to core undergraduate course)

CHE 525 - Transport Phenomena I (major revisions to core graduate course)
CHE 626 - Transport Phenomena II (new graduate course)

PROFESSIONAL SERVICE

PROFESSIONAL AFFILIATIONS

American Institute of Chemical Engineers (AIChE), member since 1994
American Chemical Society (ACS), member since 1997
North American Membrane Society (NAMS), member since 2000
American Physical Society (APS), member since 2011
Electrochemical Society (ECS), member since 2013

EDITORIAL ADVISORY BOARD

1. *Macromolecules*, 2015-2017
2. *ACS Macro Letters*, 2015-2017

GUEST EDITOR

1. *Macromolecular Rapid Communications*, 2016, Special Issue on **Ionic Liquids in Polymer Design**, Issue Edited by Timothy E. Long, Yossef A. Elabd, Jiayin Yuan
2. *RCS Advances*, 2015, Special Issue on **Polymers for Electrochemical Energy Storage**, Issue Edited by Yossef A. Elabd and Jodie L. Lutkenhaus
3. *Journal of Polymer Science Part B: Polymer Physics*, Volume 44, Issue 16 (15 August 2006); Special Issue on **Polymers in Fuel Cells**. Issue Edited by Yossef A. Elabd.

SOCIETY OFFICER

1. **Chair**, AIChE Division 8; Materials Science & Engineering Division (MESD), 2018
2. Past Chair, AIChE MESD, 2019
3. 1st Vice Chair, AIChE MESD, 2017
4. 2nd Vice Chair, AIChE MESD, 2016

CONFERENCE/SESSION ORGANIZATION

1. Division Organizer - Organized AIChE MESD program for 2017 AIChE National Meeting in Minneapolis, MN.
2. Symposium Organizer and Chair – “Ionic Liquids in Polymer Design: From Energy to Health,” American Chemical Society National Meeting, Boston, MA, August 2015. **Awarded \$5,000 from the Army Research Office for travel assistance for invited speakers**
3. Session Organizer and Chair – “Focus Session: Polymers in Batteries and Electrochemical Capacitors,” American Physical Society, San Antonio, TX, March 2015.
4. Conference Organizer and Chair – “Polymers and Ionic Liquids: From Synthesis to Performance,” Washington, DC, October 2009. **Awarded \$10,000 from the Army Research Office for travel assistance for invited speakers**
5. Symposium Organizer and Chair – “Symposium on Materials for New Security and Defense Applications,” Materials Research Society Fall Meeting, Boston, MA, November 2007. **Awarded \$5,000 from the Army Research Office for travel assistance for invited speakers**
6. Session Organizer – “Polyelectrolytes and Ion-Containing Polymers,” American Physical Society, March 2004.

CONFERENCE/SESSION CHAIR

ca. 2/yr; > 5 Societies/National Meetings

JOURNAL REVIEWS

ca. 25/yr; > 50 Journals

PROPOSAL REVIEWS

ca. 15/yr; > 10 Funding Agencies

BOOK PROPOSAL REVIEWS

1. Oxford University Press: *Analysis of Transport Phenomena*, 2nd Edition
2. Wiley: *Vibrational Spectroscopy of Polymers and Rubbers*

***Certified by the general counsel or other appropriate attorney as confidential or information that may be withheld from public disclosure in accordance with Section 551.1281 and Chapter 552 of the Texas Government Code.**