



CIAC Summer Luncheon

Texas

July 2021

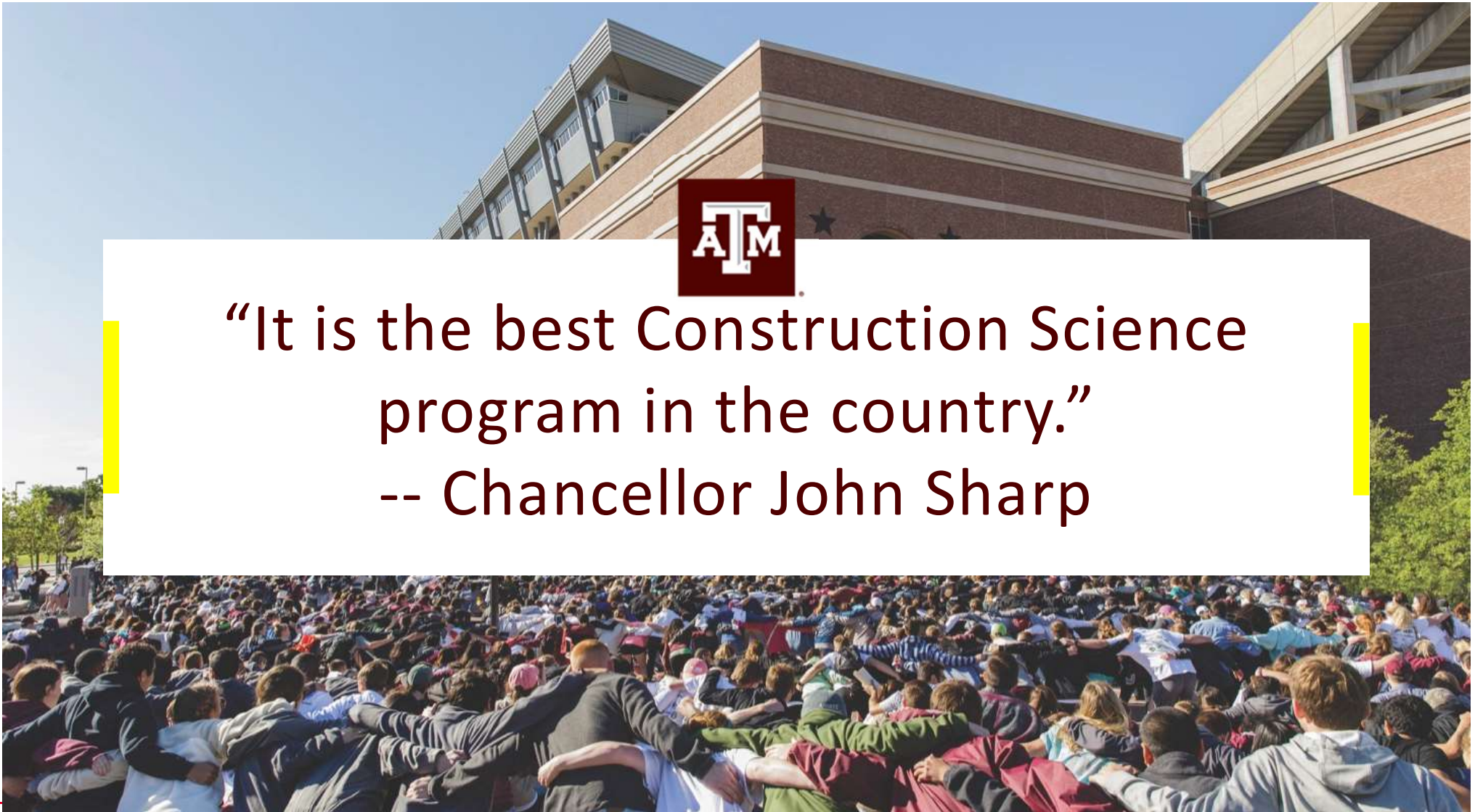


CIAC Summer Lunches

Patrick C. Suermann, PhD, PE, LEED AP
Department Head
Associate Professor



“It is the best Construction Science
program in the country.”
-- Chancellor John Sharp



Overview



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- 1) Personnel Changes
- 2) Observed Trends
- 3) Enrollment Profile
- 4) Teaching Updates
- 5) Research
- 6) Service
- 7) Opportunities



Farewells



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1. James Benham
 2. Dr. Bryant
 3. Hugh Cronin
 4. Dr. Degenhart
 5. Judge Grisham
 6. Dr. Haque
 7. Dr. Solis
 8. Dr. Williamson
-

College Personnel Changes



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1. Dr. Dawn Jourdan
2. Dr. Shannon Van Zandt
3. Dr. Galen Newman
4. Dr. Ann McNamara
5. Dr. Greg Luhan
6. Dr. Wenping Wang

A Time of Transition



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Dr. Kathy Banks becomes 26th President of Texas A&M University

The Huntsville Item Mar 31, 2021



Katherine Banks was announced as resident of Texas A&M University.
Texas A&M University

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About

Admissions

Academics

Athletics

Research

Student Life

Future Students

Current Students

Faculty & Staff

Parents

Visitors

Former Students

Make a Gift



2021 -2022

Department Enrollment



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	Fall 2018	Fall 2019	Fall 2020 Actual	Spring 2021
BS	1,010	1,043	1,105	1,076
MS	34	48	68	100
Total	1,044	1,091	1,173	1,176

Enrollment Profile

Enrollment Profile

Student Demographics Table

Reporting Selection

TAMU

Distance Education

All (DE & Non-DE)

Semester

Spring

Campus

College Station

College

Architecture

Student Department

Construction Sci...

Student Major

COSC

Student Level

(All)

Student Classificati...

(All)

Site

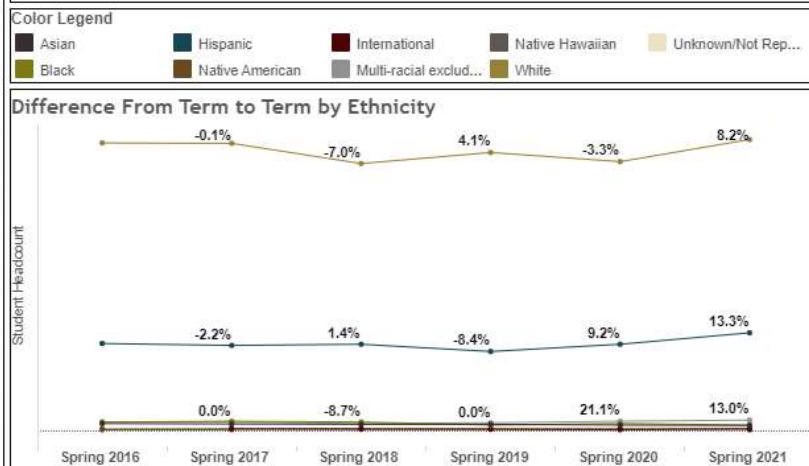
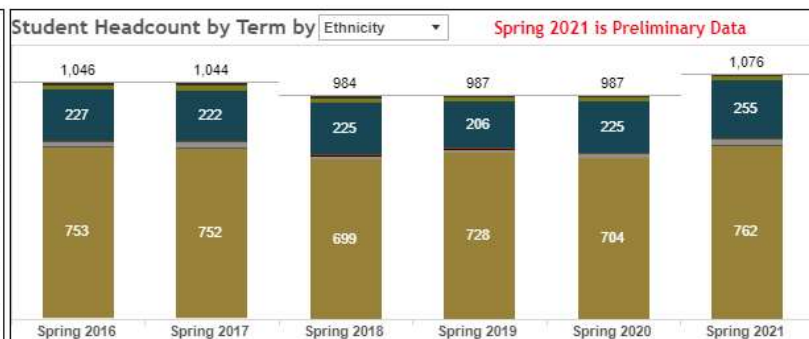
(All)

First Generation

(All)

Full-Time / Part-Time

(All)



Ethnicity

(All)

Gender

(All)

Entry Status

(All)

Degree Seeking Status

Degree Seeking

Residence by Location

(All)

Distance Ed Program

Non-DE

(All)

Non-DE

NSF STEM

No

Tuition Status

(All)

Housing

(All)

Blinn Team

No

Gender by Student Level: All

	Official Spring 2020	Current Term	Difference	% Difference	% of Total
Male	903	975	72	8.0%	90.6%
Female	84	101	17	20.2%	9.4%
Grand Total	987	1,076	89	9.0%	100.0%

Ethnicity by Student Level: All

	Official Spring 2020	Current Term	Difference	% Difference	% of Total
White Only	704	762	58	8.2%	70.8%
Hispanic or Latino of any Race	225	255	30	13.3%	23.7%
Asian Only	13	12	(1)	-7.7%	1.1%
International	1	3	2	200.0%	0.3%
Unknown or Not Reported	1	1	0	0.0%	0.1%
Mult-racial excluding Black	23	26	3	13.0%	2.4%
Black only or multi-racial with Black	17	13	(4)	-23.5%	1.2%
Native American Only	3	3	0	0.0%	0.3%
Native Hawaiian or Pacific Islander Only	0	1	1		0.1%
Grand Total	987	1,076	89	9.0%	100.0%

First-Time by Student Level: All

	Official Spring 2020	Current Term	Difference	% Difference	% of Total
First Time in College	4	3	(1)	-25.0%	0.3%
First Time Transfer	53	58	5	9.4%	5.4%
Non First Time	930	1,015	85	9.1%	94.3%
Grand Total	987	1,076	89	9.0%	100.0%

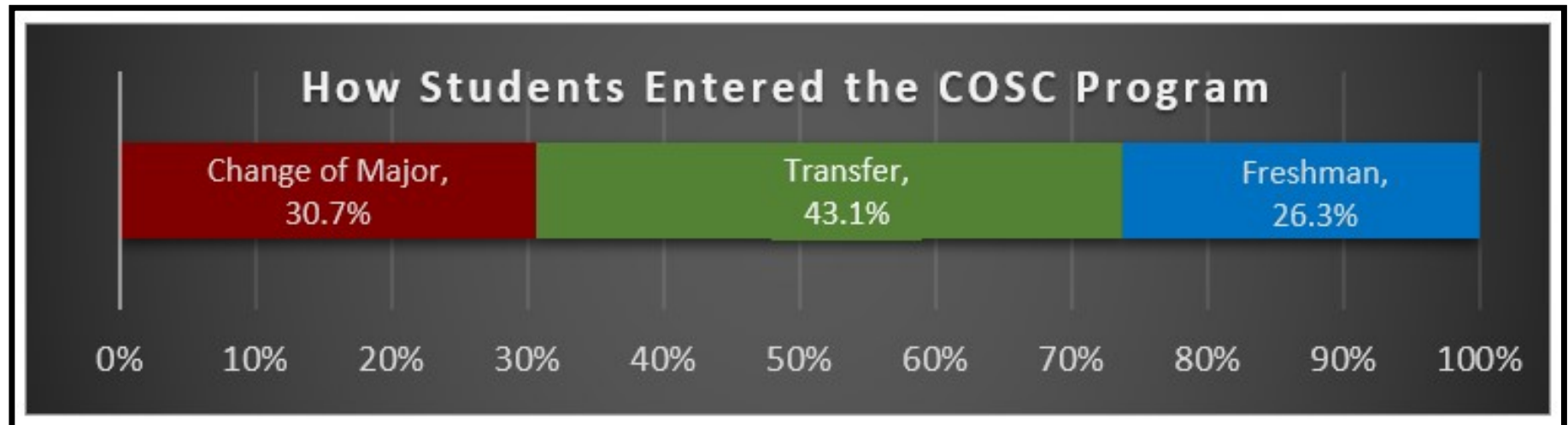
First Generation by Student Level: All * Only applies to Undergraduate students

	Official Spring 2020	Current Term	Difference	% Difference	% of Total
First Generation	288	304	16	5.6%	28.3%
Not First Generation	693	763	70	10.1%	70.9%
Unknown	6	9	3	50.0%	0.8%
Grand Total	987	1,076	89	9.0%	100.0%

Student Demographics



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Fall 2021 Incoming Class



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Freshmen

- 339 Applications
- 252 Admitted
- 138 Accepted to Date
- **Apps up 35% from 2020**

Change of Majors

- 112 Applications
- Decisions made this summer

Transfers

- 237 Total Applications/215 Completed
- 131 Admitted
- 120 Confirmed/Accepted
- 52 Enrolled

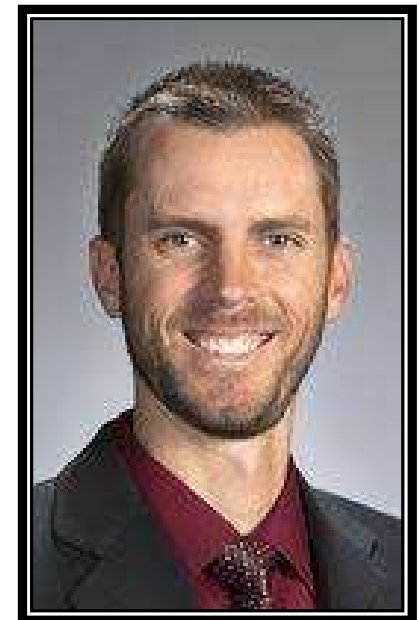


Fluor Teaching Excellence



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2020 – Teaching Excellence Winner



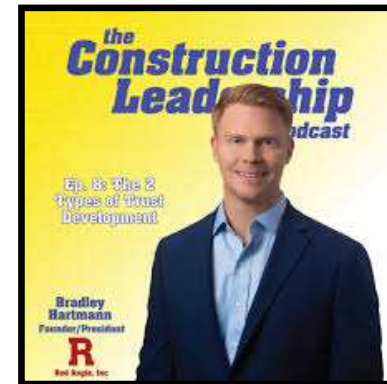
Teaching



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- New Degree Plan Launched in Fall 2020
- New or Altered Courses
 - Introduction to the Construction Industry (COSC 153)
 - Construction Graphics and Communication (COSC 175)
 - Safety I (From COSC 364 to COSC 184)
 - Cultural Discourse (COSC 489/222)
 - COSC 301 (Surveying to *Practices* Course)
 - From 1 elective to 4 electives – increased student choice
 - Study Abroad Leadership changing in 2022-2023

MAREK
STRENGTH FROM WITHIN



SAFETY
SPANISH

Teaching



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<https://mcallen.tamu.edu/>



Construction Academies



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Summer 2021 Construction Academies

June 13-17

GEAR-UP – Destination Houston

21 Students from 5 Schools – San Antonio Area

Host Company – (Tellepsen)

June 21-23

Rio Grande Valley – Construction Academy

21 Students from 13 Schools

Sponsors - (Noble Texas Builders, SPAWGLASS, D-Wilson)

June 27-July 1

GEAR-UP – Destination Dallas

25 Students from 7 Schools (Del Valle, Lockhart, Manor, San Marcos)

Host Company – (Manhattan Construction Company)

July 5-10

Camp ARCH – College Station

20 Student

July 11-15

GEAR-UP – Destination Austin

18 Students from 4 Schools (Navasota, Livingston, San Antonio)

Host Companies – Austin Commercial

July 19-22

DFW – Construction Academy

21 Students from 5 Schools

Sponsors – (Austin Commercial, McCarthy Builders, Brasfield and Gorrie)

Edelmiro F. Escamilla '00, Ph.D. | Associate Inst.

Professor, Program Coordinator - HECM

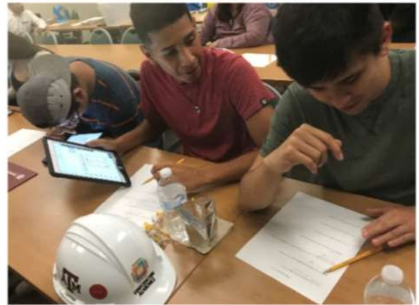
COSC | Texas A&M University

218.13 | McAllen, TX 78504

ph: 956.271.1343 | edelmiro-escamilla@tamu.edu



Thank you for your help and support for Summer 2021 Construction Academies



Research for FY20



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Data	2018	2019	2020
Total Research	\$237,190	\$1,130,303	\$1,138,268
% of college	5.54%	26.12%	27.30%
\$/Researcher	\$12,484	\$62,795	\$75,885
College place	4 th /4	2 nd /4	Close 2 nd /4

Dr. Amir Behzadan
Research Coordinator



Research Productivity 2020



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Top 5 "Most Productive Faculty" (cumulative publication, new grants, and expenditure)

5. Amir Behzadan
4. Manish Dixit
3. Ryan Ahn
2. David Jeong
- 1. Youngjib Ham (most productive)**



Top 5 "Most New External Research \$" (weighted sum of federal, state, local, and private funds)

5. David Jeong
4. Amir Behzadan
3. KC Choi
2. Ryan Ahn
- 1. Youngjib Ham**

Top 5 "Most No. of Publications in Top-10 Journals" (only those appeared in print in 2020)

- 5. KC Choi: 1.5 papers*
- 4. Amir Behzadan: 2.5 papers*
- 3. Youngjib Ham: 4.0 papers
- 2. David Jeong: 4.5 papers*
- **1. Ryan Ahn: 8.5 papers***
- Total # of papers published by all COSC faculty in top journals: **23**, *Note: 0.5 values indicate a paper co-authored by two COSC faculty.

Top 5 "Most Research Expenditure \$"

- *Note: calculated based on the numbers reported by COA Business Office.*
- 5. Phil Lewis
- 4. Ryan Ahn
- 3. Manish Dixit
- 2. Youngjib Ham
- 1. David Jeong**

New Degree Updates



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H. DAVID JEONG

Professor

Department of Construction Science

Francis Hall 314

djeong@arch.tamu.edu

979-458-9380



PHIL LEWIS

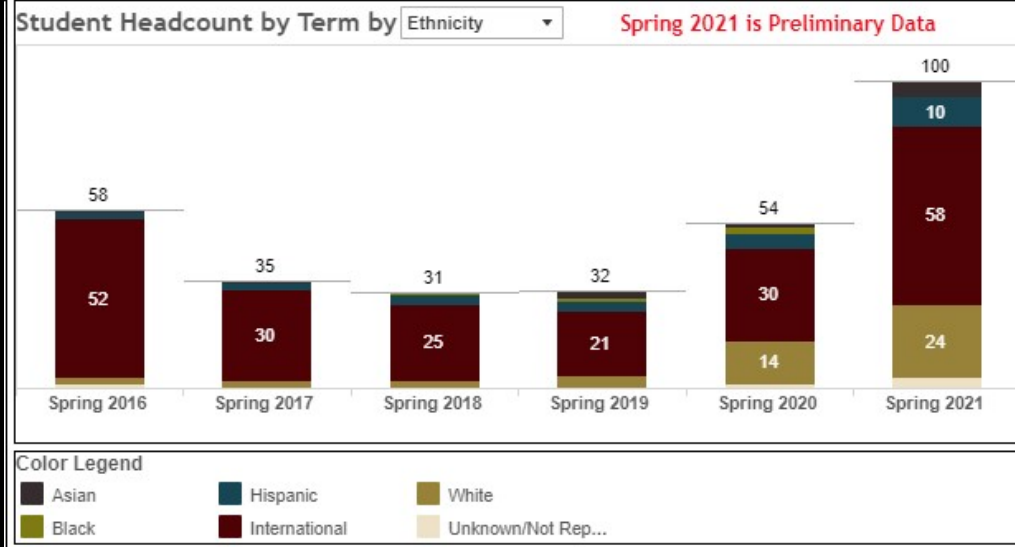
Associate Professor

Department of Construction Science -
Administration, Department of Construction
Science

plewis@arch.tamu.edu

PhD Coordinator

#1 Researcher in 2019



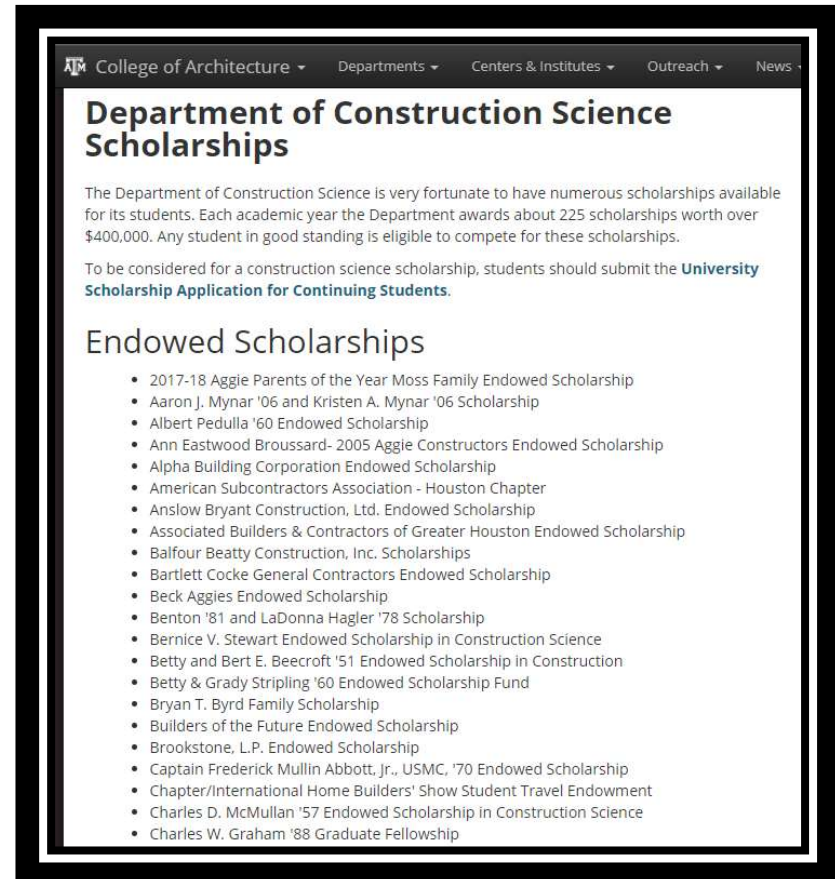
Service/Development



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History of (Scholarship) Giving

- Total amount - \$3 million by over 100 individuals and companies
- Largest Single Donation - More than \$400,000
- 119 matching scholarships
- **GOAL: 12 new endowed scholarships per year**



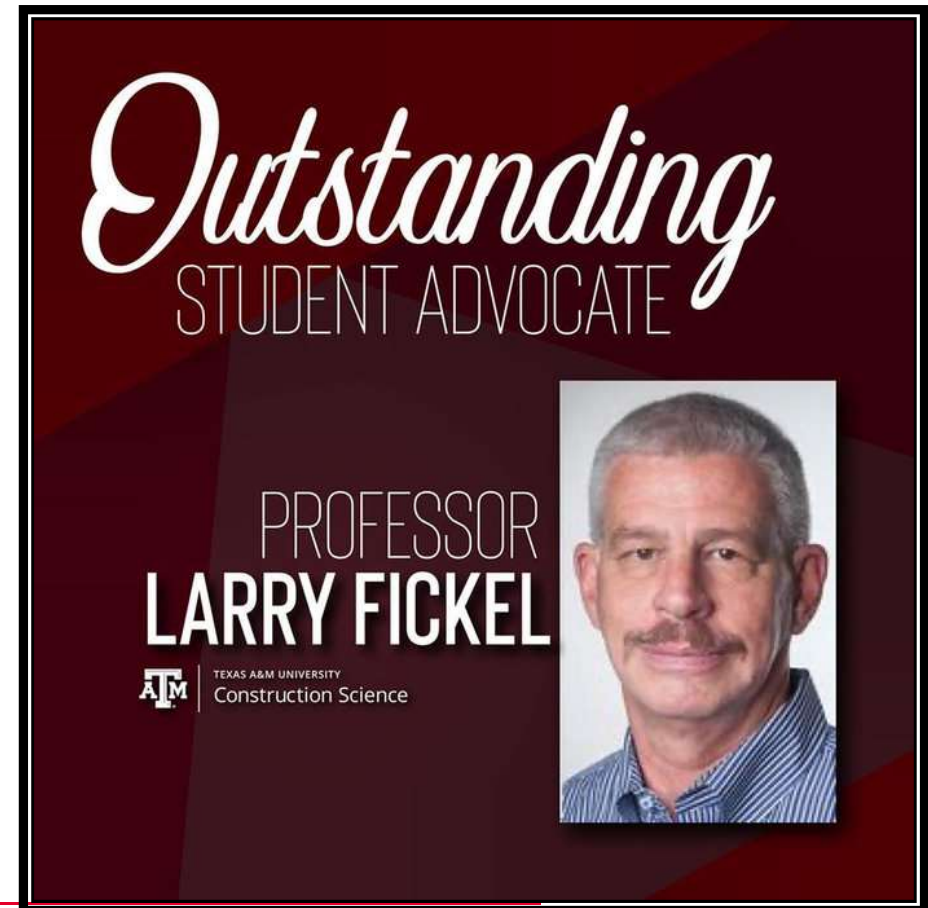
The screenshot shows the website for the Department of Construction Science Scholarships at Texas A&M University. The page has a dark header with navigation links: College of Architecture, Departments, Centers & Institutes, Outreach, and News. The main heading is "Department of Construction Science Scholarships". Below this, a paragraph states: "The Department of Construction Science is very fortunate to have numerous scholarships available for its students. Each academic year the Department awards about 225 scholarships worth over \$400,000. Any student in good standing is eligible to compete for these scholarships." A link is provided: "To be considered for a construction science scholarship, students should submit the [University Scholarship Application for Continuing Students](#)." The section "Endowed Scholarships" lists 25 individual scholarships, including the 2017-18 Aggie Parents of the Year Moss Family Endowed Scholarship, Aaron J. Mynar '06 and Kristen A. Mynar '06 Scholarship, Albert Pedulla '60 Endowed Scholarship, Ann Eastwood Broussard- 2005 Aggie Constructors Endowed Scholarship, Alpha Building Corporation Endowed Scholarship, American Subcontractors Association - Houston Chapter, Anslow Bryant Construction, Ltd. Endowed Scholarship, Associated Builders & Contractors of Greater Houston Endowed Scholarship, Balfour Beatty Construction, Inc. Scholarships, Bartlett Cocke General Contractors Endowed Scholarship, Beck Aggies Endowed Scholarship, Benton '81 and LaDonna Hagler '78 Scholarship, Bernice V. Stewart Endowed Scholarship in Construction Science, Betty and Bert E. Beecroft '51 Endowed Scholarship in Construction, Betty & Grady Stripling '60 Endowed Scholarship Fund, Bryan T. Byrd Family Scholarship, Builders of the Future Endowed Scholarship, Brookstone, L.P. Endowed Scholarship, Captain Frederick Mullin Abbott, Jr., USMC, '70 Endowed Scholarship, Chapter/International Home Builders' Show Student Travel Endowment, Charles D. McMullan '57 Endowed Scholarship in Construction Science, and Charles W. Graham '88 Graduate Fellowship.

2018-20 Student Advocate



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Threeppeat and 4 of all 5 years!



Opportunities



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DIG • LEARN • PLAY

**A new adventure park is coming to Texas,
and this one is like no other.**

DIG WORLD will showcase real construction machinery, as well as adapted machinery, to inspire kids and adults of all ages to learn and play. People will be able to drive, ride, and operate actual machines, as well as learn, dine, and have an amazing time. DIG WORLD will be the ultimate construction theme park.

Continuing Education Department | TEXAS A&M UNIVERSITY

Our Mission:

“Our Continuing Education Department is dedicated to providing the very best quality educational content, taught by experienced industry professionals, and designed to provide maximum value for our learners.”

Our Affiliates:

Construction Industry Institute

Project Production Institute



PROJECT PRODUCTION
INSTITUTE



Questions?

Patrick Suermann

suermann@tamu.edu

Anthony “Tony” Marraro

tmarraro@tamu.edu

Or

[http://cosc.arch.tamu.edu/
continuing-
education/index.html](http://cosc.arch.tamu.edu/continuing-education/index.html)

New Opportunities



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- New Brick Campaign!
- Cost \$500-\$1,000
- Supports Francis Hall MXS and upgrades
- Contact Melissa Sodolak in the Industry Relations office for purchasing bricks
- msodolak@tamu.edu



Recent Brick Purchases

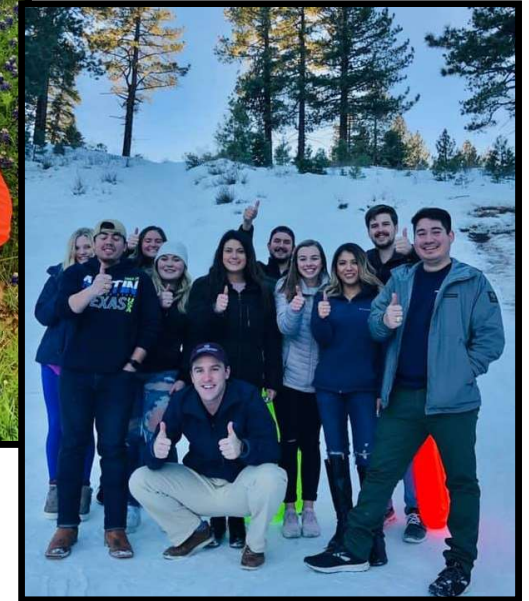


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1. Bob and Luke Armstrong
2. MAREK – Stan Marek
3. Matt Summerville
4. Jeremy Stovall
5. Gary Wortham
6. Kyle Wortham
7. John S. Lee
8. John Chance
9. Jeff Vogt



CONSTRUCTION SCIENCE
TEXAS A&M UNIVERSITY





HOWDY CIAC!

2021 Summer Luncheon

Texas A&M Construction Science

Industry Relations Office

Hernan Guerra - Melissa Sodolak

WELCOME BACK!!!



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Welcome to CIAC: New to 2021



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A Brush Above Services, LLC	Grand Texas Homes, Inc.	Metalink, LLC
Allensworth & Porter, LLP	Infrastructure & Energy Alternatives	R Construction Civil
Alliance Residential Builders	KAI Alliance LLC	Rabren General Contractors
Birch Construction	Levcor	Reliance Mechanical Contractors
Caldwell Companies	Litecrete USA	Sodexo
Cherry Companies	Marksmen General Contractors, LLC	SteelFab Texas, Inc.
Davis Hawn Lumber Company	Matous Construction, LTD.	Synergen (Bryan T. Byrd)
EBCO General Contractor	Empire Communities	Taylor Morrison /Darling Homes

CIAC Status



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- CIAC Memberships
- CIAC Industry Diversity

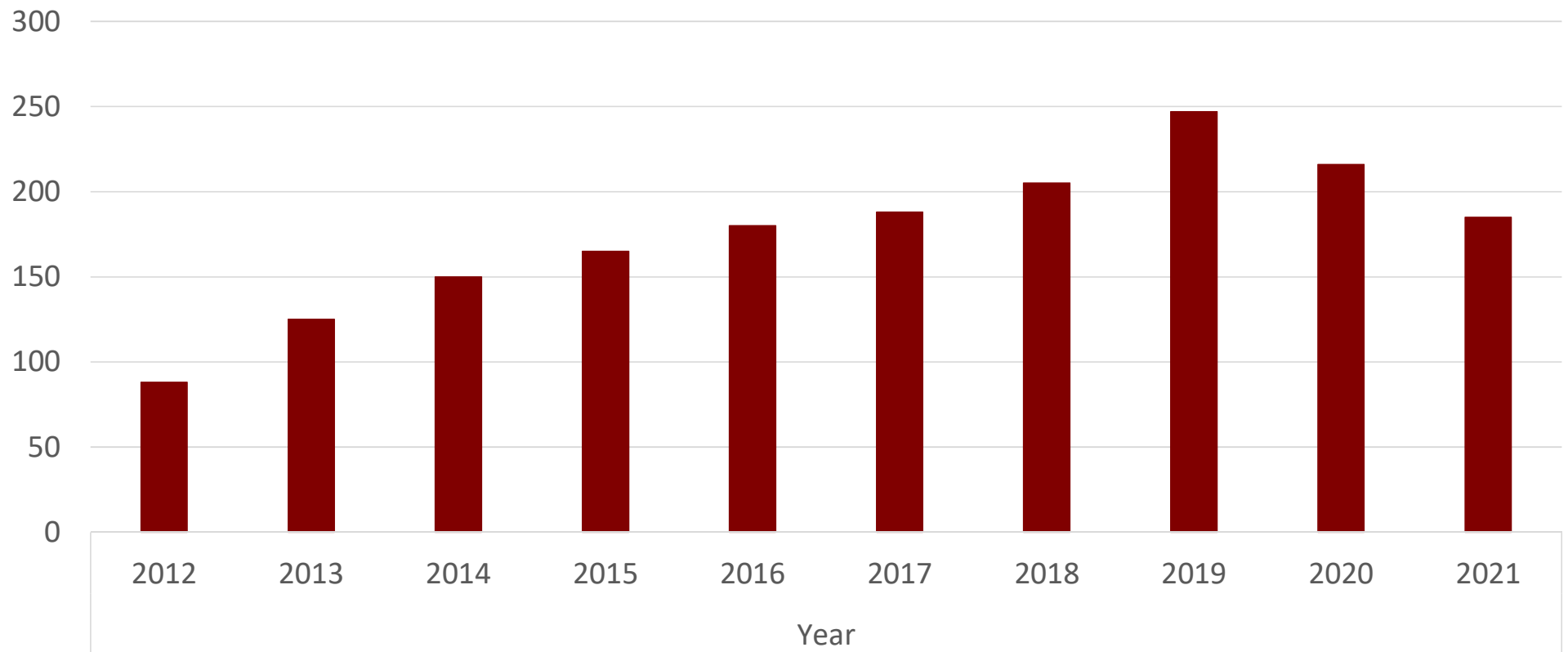


CIAC Membership



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CIAC Members by Year

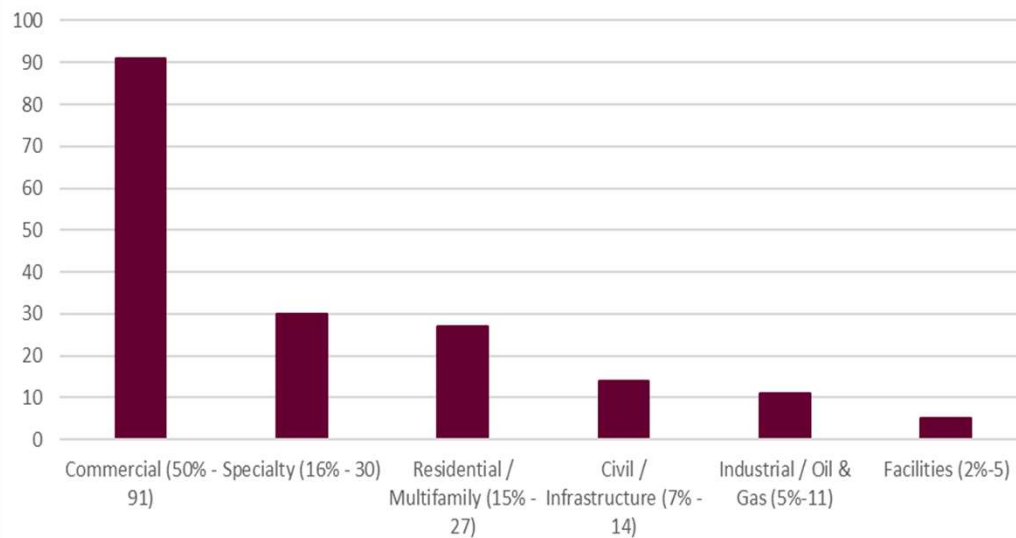


CIAC Company Market Diversity Update

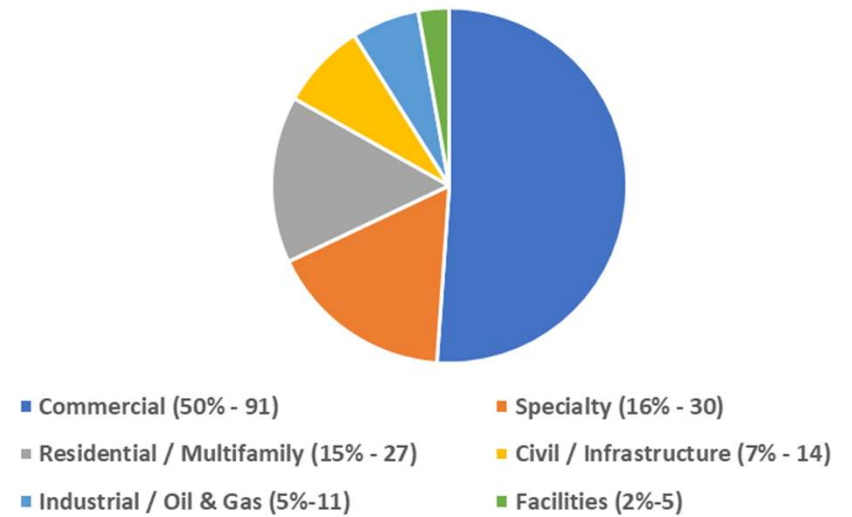


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CIAC Members by Market Segment in Total Numbers (187)



CIAC Members by Market Segment in Percentage



Career Fair Status



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- Fall 2020 and Spring 2021

Career Fair Numbers

- Career Fair Fall 2021

Update

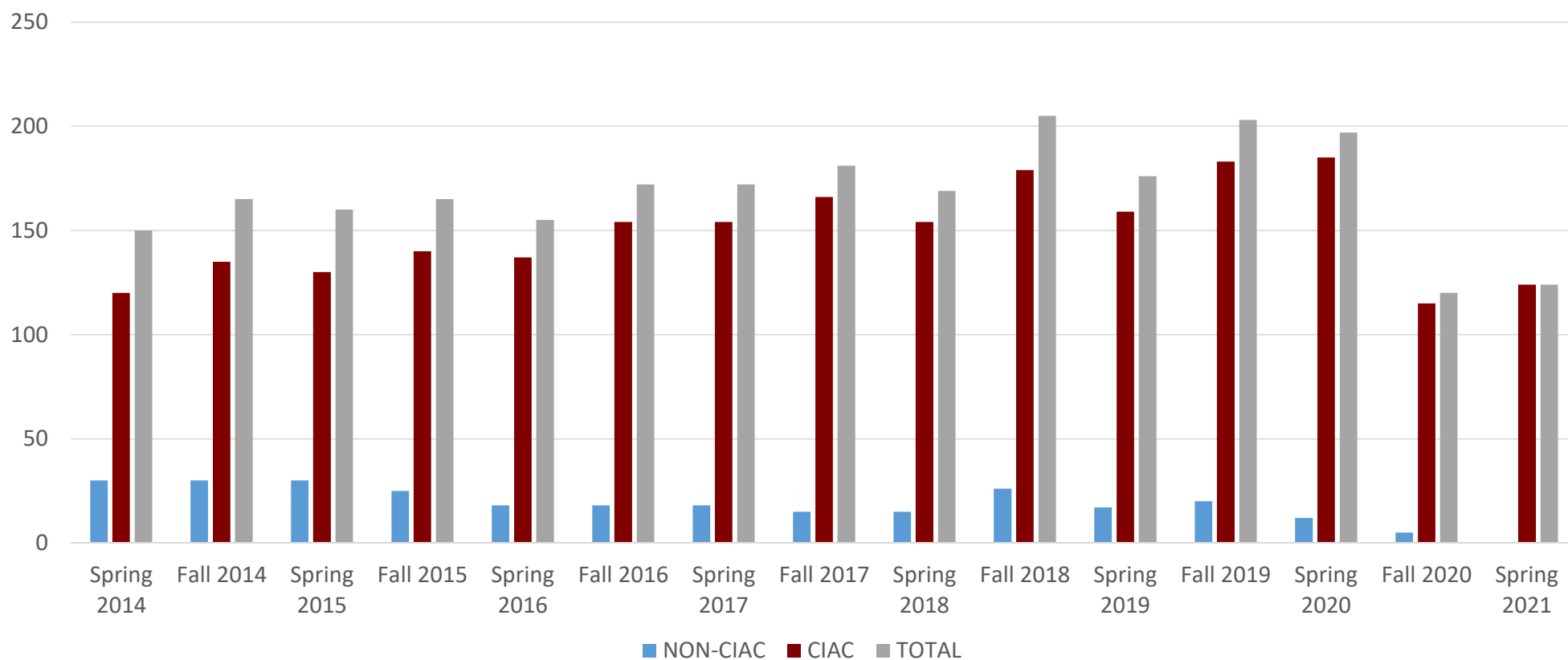


Career Fair Attendance



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Career Fair Attendees by Year

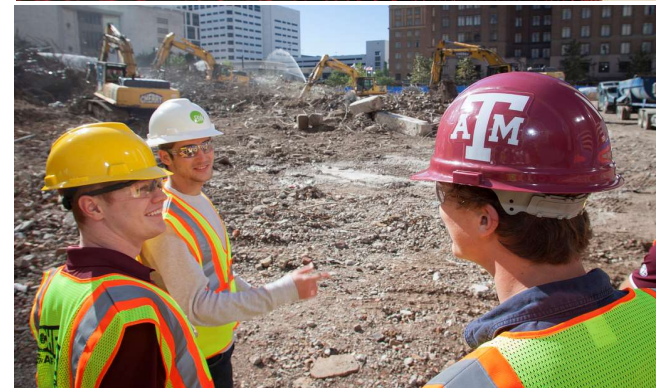


STUDENT EXIT SURVEY DATA



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**NEW NUMBERS AVAILABLE
FROM SPRING 2021 EXIT SURVEY**



Internship Program during COVID



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- *135 Internship students in Spring 2021*
 - *Weekly communication during height of pandemic*
 - *No student has left their job due to COVID*
 - *2 tested positive during internship in Spring 2021*
 - *Have Visited 25 students so far in 2021 (Spring and Summer)*
 - **THANK YOU CIAC FOR PROVIDING
INTERNSHIP JOBS DURING A PANDEMIC!**
 - **THANK YOU FOR KEEPING OUR
STUDENTS SAFE!!!!**
-

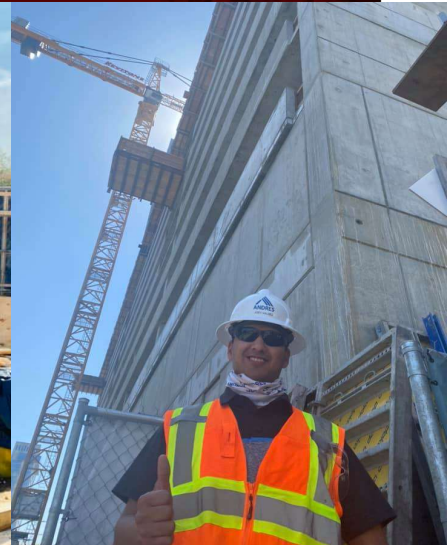
COMPARISONS OF FALL 2020 VS SPRING 2021

- *80 Students in Fall 2020 – 136 in Spring 2021*
 - *Average Salaries - \$17.85/hr. – (down from \$17.94)*
 - *Most Common hourly salary - \$17.50/hr.*
 - *Highest Salary (within the US) - \$25/hr. (Up from \$23)*
 - *Lowest Salary - \$15/hr. (up from \$13.50)*
-

Internship – CIAC Exposure



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Employment after Graduation



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Spring 2021 Student Employment Data

82% Have secured a job one semester before graduation (up from 71%)

85% had at least one job offer (down from 88%)

90% plan to enter construction-related employment (up from 86%)

58% **received** a job offer from their internship provider (down from 65%)

41% **accepted** a job offer from their internship provider (up from 40%)

Full Time Sectors, Areas and Titles Spring 2021 Data



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Top 4 major Texas cities in
which students will work
upon graduation:

34% Dallas/Fort Worth

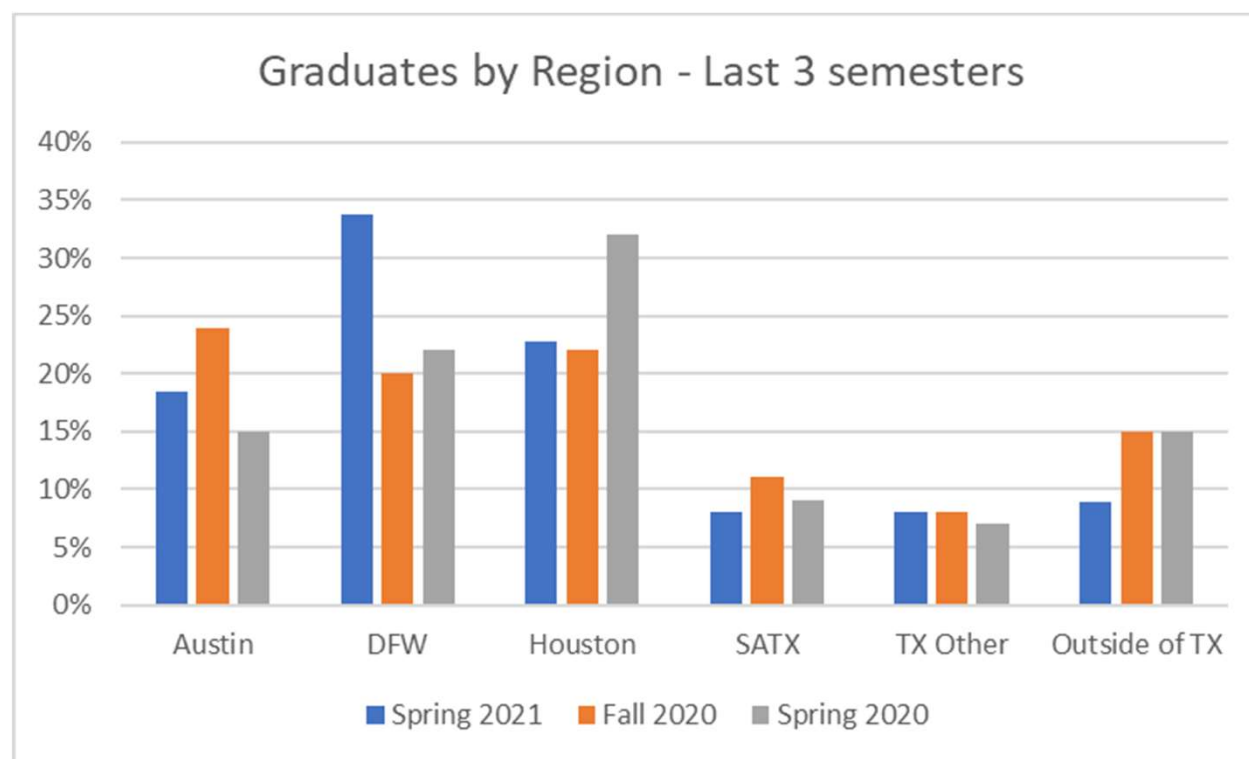
23% Houston

18% Austin

8% San Antonio

8% Other in Texas

9% Outside of Texas



Full Time Sectors, Areas and Titles Spring 2021 Data



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Sectors in which students will
be employed:

63% Commercial

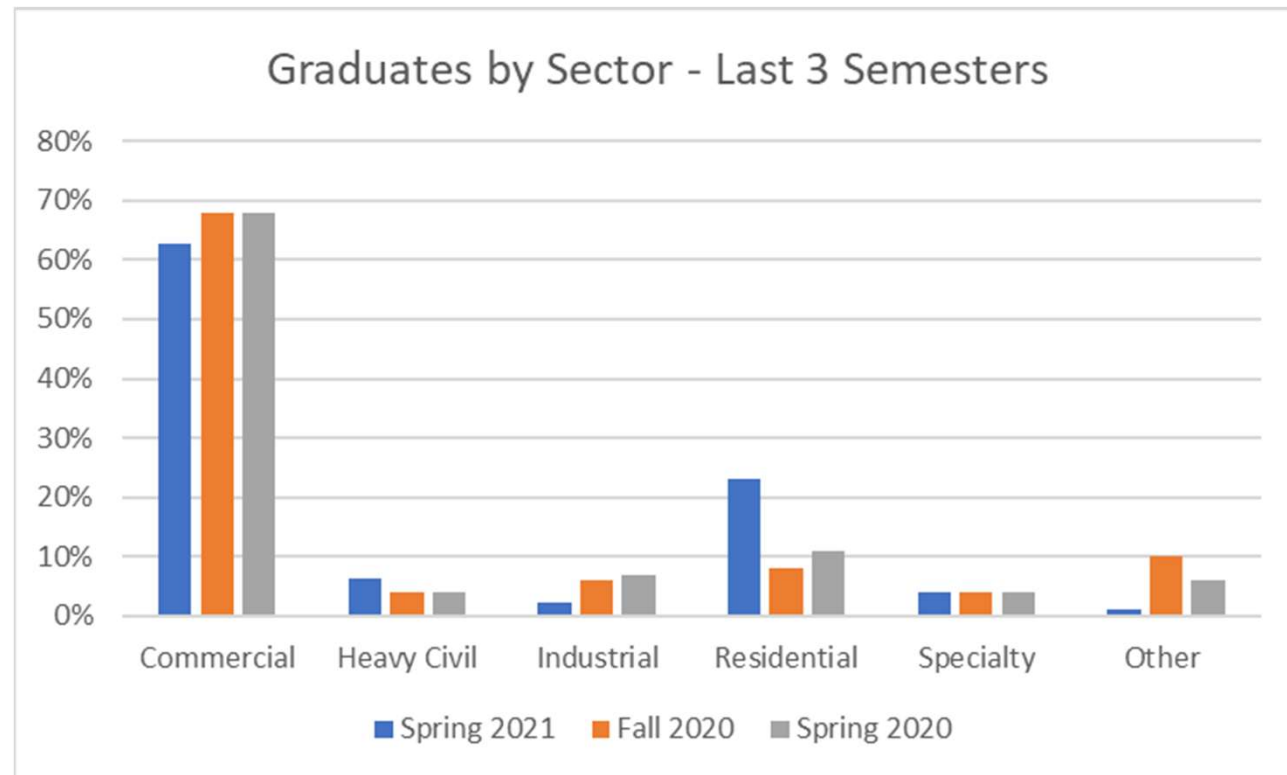
23% Residential

4% Industrial

2% Heavy Civil

4% Specialty

1% Other

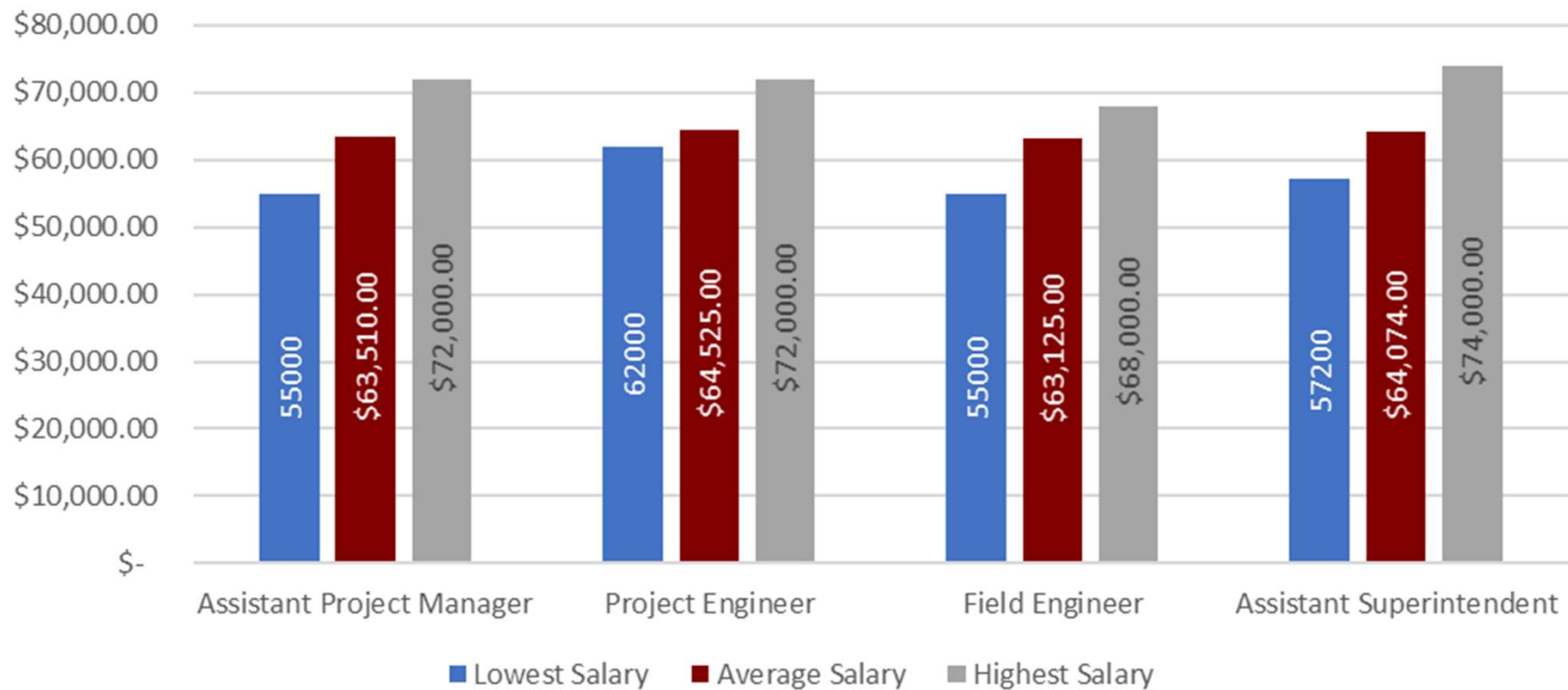


Starting Salaries Spring 2021



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Salary Information by Title



Full Time Sectors, Areas and Titles Spring 2021 Data



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DIFFERENCES FROM FALL 2020

Project Engineer highest starting salary went from \$70K to \$78K)
Project Engineer Average starting salary stayed at around \$63,517

Assistant Superintendent highest starting salary stayed at \$70K
Assistant Superintendent average salary stayed at \$65K

OVERALL SALARY AVERAGE – \$64,067 down from \$64,206
AVERAGE HIRING BONUS - \$5,100 up from \$3,900

Highest Starting Salary – \$80K (up from \$78K – Fall 2020)

Lowest Starting Salary – \$53K (up from \$43K – Fall 2020)

Bonuses Given Ranged from \$1,000 to \$12,000 (Only 27% of students got a signing bonus – down from 33%)

IRO VISION - CFL



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Construction Field Lab Potential Uses

- Constructionarium type event
- Materials and Methods Classes
- QA/QC Classes
- Safety Class
- Surveying / Field Engineering and Layouts
- CIAC members possible use for training and certifications

Thanks to Skanska for renderings



IRO Vision



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- Continue to promote early engagement and CIAC company diversity
 - Increase CIAC involvement in program: curriculum and competitions
 - Assist in the Development of our HECM COSC Program
 - Work with Industry to make the Construction Field Lab (CFL) a Reality
 - Already started working with past CIAC Presidents who volunteered their time and knowledge on developing the scope
 - Tailgate in 2021 on the 75th anniversary of the Construction Science Program will aim at raising 750K for the development and fulfillment of such a dream
-

2021 TAILGATE



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BTHOAlabama! On October 9th!!

Biggest and best tailgate ever held by the College of Architecture!
Planned by the Tailgate guys!



Important Dates



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<u>CIAC Important Dates</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
CIAC Career Fair			
Spring	Thurs and Fri, Feb 18-19	Thurs and Fri, Feb 17-18	Thurs and Fri, Feb 16-17
Fall	Thurs and Fri, Sept 16-17	Thurs and Fri, Sept 15-16	Thurs and Fri, Sept 14-15
Fall Virtual Career Fair			
CIAC Board Meeting			
Spring	Friday April 9, 2021	Friday April 29, 2022	Friday April 7, 2023
Fall	Friday October 29, 2021	*Friday October 28, 2022	*Friday October 27, 2023
Scholarship and Awards Banquet			
Spring	Thursday April 8, 2021	Thursday April 28, 2022	Thursday April 6, 2023
Summer Luncheons			
Austin	Wednesday, July 7	Wednesday, July 13	Wednesday, July 12
San Antonio	Thursday, July 8	Thursday, July 14	Thursday, July 13
Houston	Wednesday, July 14	Wednesday, July 20	Wednesday, July 19
Dallas	Thursday, July 15	Thursday, July 21	Thursday, July 20
Harlingen	Tuesday, July 20	Tuesday, July 26	Tuesday, July 25
Tailgate	Saturday Oct. 9, 2021	TBD	TBD



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Thank you

QUESTIONS
