



AGRICULTURAL SCIENCE CAREER ACADEMY DESIGN PLAN

2025-2026

I. Defined Mission & Goals

The career academy has a written definition of its mission, goals, and benchmarks. These are developed and available to the administrators, teachers, students, parents, advisory board, and others involved in the academy.

Goal 1	100% of the Agricultural Science Academy Practicum Cohort will earn a TEA recognized Industry Based Certification by the of the 25-26 school year.	Specific number of students passing data from Texas Veterinary Medical Association/Elanco
Goal 2	85% of the Agricultural Science Academy students will become members of the SCTHS FFA Chapter by November 1, 2025.	Specific number of students Data from Eduthings
Goal 3	25% of SCTHS FFA members will participate in LDE's, CDE's or SDE's by the end of the 25-26 school year.	Specific number of students Data from Eduthings

Academy Vision

We empower every student with the knowledge and skills they need to succeed in a global agricultural industry.

Academy Mission

The Agricultural Science Academy provides students with hands-on experiences, knowledge, and skills to prepare them for employment and post-secondary opportunities.

II. Academy Design

e. Small size, supportive atmosphere. The academy maintains personalization through limited size, academy staff teamwork (including counselors, librarian/media specialists, academy-based administrators, and other support staff), and a supportive atmosphere.

ENROLLMENT by Grade Level

	VET ASSISTANT PATHWAY	PLANT SCIENCE/ GEN AG PATHWAY	AG ACADEMY ENROLLMENT
	SCTHS	SCTHS	Total
9 TH	35	0	35
10 TH	40	7	47
11 TH	22	10	32
12 TH	12-Clinical; 9-Ag Industry =21	2	25
TOTAL	121	19	139

V. Professional Development and Continuous Learning

Since an academy places teachers and other adults into roles not normally included in their previous training, providing adequate professional development time, leadership, and support is critical.

a. Common Planning Time:

The site administrator ensures that academy staff members are provided common planning time within the high school schedule for purposes of program coordination, curricular integration, business involvement, and resolution of student challenges.

PROFESSIONAL LEARNING COMMUNITY MEETING DATES

	DAYS	LOCATION	TIME
9 th grade team	Last Thursday-Monthly	SCTHS	After School

10 th grade team	Last Thursday-Monthly	SCTHS	After School
11 th grade team	Last Thursday-Monthly	SCTHS	After School
12 th grade team	Last Thursday-Monthly	SCTHS	After School
Whole team	PLC- 8/1/25, 8/7/25, 9/26/25, 11/4/25, 1/6/26, 2/11/26	SCTHS	Specified times by district calendar

c. Volunteer and parent orientation

Business, community, and post-secondary volunteers are adequately prepared for their roles as speakers, field experiences hosts, mentors, internship supervisors, etc. Parents are adequately prepared for their involvement, (if any), as classroom aides, field experience chaperones, social event organizers, and exhibition judges.

PARENT MEETINGS		
DATE	LOCATION-ACTIVITY	TIME
TBD-9 th Grade Parent Orientation	SCTHS	6:30 PM
9/16/25- Open House	SCTHS	6:00 PM
TBD-8 th Grade Open House	SCTHS	6:00 PM
TBD-8 th Grade AC Parents	SCTHS	6:00 PM
5/5/26-SCTHS FFA Banquet	SCTHS	5:30 PM
TBD-SCTHS Showcase	SCTHS	6:00 PM

VI. Governance and Leadership

a. Network of support

The academy is connected to an advisory board at the school level or the district level and has members from the district and high school administration, academy staff, employers, and post-secondary education. It may also include community representatives, academy parents, and students.

ADVISORY BOARD MEMBERS		
NAME	REPRESENTATIVE TYPE	CONTACT INFORMATION
Richard Clem	Board of Trustee,	Richard.clem@gccisd.net
Matt Bolinger	District Administration	matthew.bolinger@gccisd.net
Leia Miller	District CTE	Leia.miller@gccisd.net
Jennifer Guillory	District CTE	jennifer.guillory@gccisd.net
Kami Johnston	District CTE	Kami.johnston@gccisd.net
Shonna Prentice	Campus Administration	Shonna.prentice@gccisd.net
Lisa Vavricka	Campus Administration	Lisa.vavricka@gccisd.net
Kathrine Hull	Campus Counseling	Kathrine.hull@gccisd.net
Joi Green	Campus Counseling	Joi.green@gccisd.net
Steven McBride	Academy Academic Teacher	steven.mcbride@gccisd.net
Jennifer Laubach	Academy Academic Teacher	Jennifer.laubach@gccisd.net
Kelly Mills	Academy CTE Teacher	Kelly.mills@gccisd.net
Alvaliz Jimenez	Academy CTE Teacher	Alvaliz.jimenez@gccisd.net
Donald Guillory	Academy CTE Teacher	Donald.guillory@gccisd.net
Kenneth Rogers	District CTE Teacher	Kenneth.rogers@gccisd.net
Thelma Kipe	Parent	trchilds@verizon.net
Rebecca Gonzalez	Parent	Rebecca.gonzalez@gccisd.net
Victoria Leming	Parent	Vicki_lynn_32@hotmail.com

Evelyn Kipe	Student	evekipe464@student.gccisd.net
Ofelia Ferman	Post-Secondary	oferman@lee.edu
Jordan Salazar	Post-Secondary	jsalazar@lee.edu
Deborah Bradford	Community/Industry Rep	Deborah.bradford077@gmail.com
Steven Frederick, Texas A&M AgriLife Extension	Community/Industry Rep	steven.frederick@ag.tamu.edu
Larisa Respondek, TVMA	Community/Industry Rep	lrespondek@tvma.org
Kourtney Bonzo	Community/Industry Rep	kourtney.bonzo@baytown.org
Dr. Mat Dobbs, Cedar Bayou Animal Clinic	Community/Industry Rep	Cbac3108@gmail.com
Camryn Toney, Animal Medical Center of Baytown	Community/Industry Rep	camryn.toney@yahoo.com
Dr. Samad, Highlands Animal Clinic	Community/Industry Rep	highlandsfrontdesk@gmail.com
Dr. Alvarez, Baytown Animal Hospital	Community/Industry Rep	falvarez@baytownanimalhospital.com
Angela Chandler	Community/Industry Rep	fortangela@gmail.com
David Sessum	Community/Industry Rep	David.sessum@ag.tamu.edu
Jonathan & Rachel Duty	Community/Industry Rep	rachel@txfeedstop.com

b. Regular meetings:

Meetings of the advisory board are held at least quarterly, with defined agendas, outcomes, and meeting minutes. The advisory board helps to set policies for the academy. It also serves as a center of resource development.

ADVISORY BOARD MEETING DATES

DATE	LOCATION	TIME
September 24, 2025	SCTHS	3:30
November 12, 2025	SCTHS	3:30
February 18, 2026	SCTHS	4:30
May 13, 2026	SCTHS	3:30

d. A student voice:

Students have avenues through which they can provide input to the academy policies and practices, thus providing opportunities for student leadership such as through Career and Technical Student Organizations (CTSOs).

CAREER & TECHNICAL STUDENT ORGANIZATION / AMBASSADORS

Organization	Sponsor(s)
FFA	Donald Guillory, Alvaliz Jimenez, Kelly Mills
NTHS	Ian Sobczak
AVID Ambassadors	Kelsey Rhodes

*See shared drive for CTSO guidelines.

NSOP VII. Teaching and Learning

The teaching and learning within an academy meets or exceeds external standards and college entrance requirements while differing from a comprehensive high school by focusing learning around a career theme.

a. Sequenced, integrated, and relevant curriculum:

Curriculum articulates from the beginning of an academy through the senior year with a defined course sequence and at least three core academic classes and one career/theme class each year. Curriculum is integrated among the academic classes and between these and the career class. Learning illustrates

applications of academic subjects outside the classroom, incorporates current technology and 21st Century Skills, and includes authentic project-based learning.

INTEGRATED ACADEMICS/COHORT PLAN

	CTE SUBJECT/TEACHER(S)	#1 ACADEMIC SUBJECT/TEACHER(S)	#2 ACADEMIC SUBJECT/TEACHER(S)	#3 ACADEMIC SUBJECT/TEACHER(S)	#4 ACADEMIC SUBJECT/TEACHER(S)
9 TH	Principles of Ag Food & Natural Resources/Greenhouse Operation & Production	English I or English I Honors –	Biology or Biology Honors –	Algebra 1 or Algebra 1 Honors or Geometry Honors –	World History –
10 TH	Small Animal Management/Equine Science, Livestock Production – Horticultural Science w/Lab	English II or English II Honors –	Chemistry or Chemistry Honors –	Geometry or Geometry Honors –	World History –
11 TH	Vet Med Applications – Practicum in AFNR-Plant Science	English III or English III Honors or DC English –	Advanced Animal Science –	Algebra II or Algebra II Honors –	US History or DC USH –
12 TH	Practicum in AFNR – Clinical Vet Assistant or Non-Clinical Ag Science or Spa4Paws – Practicum in AFNR-Plant Science Ext.	English IV or DC English –	Principles of Technology, Advanced Science or Dual Credit Science –	College Prep Math or Dual Credit Math –	Government & Economics –

VII e. Dual credit options:

Options for post-secondary credit exist in a variety of ways and may include articulation agreements, dual credit and/or college credit for upper classmen, concurrent credit, trans scripted credit, AP, AICE and IB credit. The academy articulates its upper-level curriculum with relevant post-secondary programs.

DUAL CREDIT/ CERTIFICATIONS PLAN

***Enter “NA” into any field that is not applicable.**

	POST-SECONDARY EXPERIENCE			CAREER EXPERIENCE		
	Dual Credit Course Or Experience Date	Projected Date	Responsible person	Certification Test	Projected Date	Responsible person
9 TH	Academic DC	Spring/Fall	Hull			
10 TH	Academic DC	Spring/Fall	Hull	Benz School of Floral Design TSFA Knowledge Based NCLCA Principles of Livestock	Spring 2026	Jimenez Jimenez Guillory

				Selection & Evaluation		
11 TH	Academic DC	Spring/Fall	Hull	Benz School of Floral Design TSFA Knowledge Based Elanco Veterinary Medical Applications	Spring 2026	Jimenez Jimenez Mills
12 TH	Academic DC	Spring/Fall	Hull	Certified Veterinary Assistant Elanco Fundamentals of Animal Science	Spring 2026	Mills Mills

g. Participation in a capstone project. The senior year capstone project is reflective of the academy in which students are participating.	
SENIOR SHOWCASE / CAPSTONE PLAN	
*This event should take place after all students are accepted and all incoming students and parents should be invited. This will serve as a “get them excited” about being a part of the academy with the intention to reduce attrition of incoming 9th grade students.	
Date	Activity/Partnership Description
Spring 2026	Student Showcase

VIII. Employer, Post-Secondary Education, and Community Involvement						
b. Community involvement: Representatives of employers, post-secondary education, and the community help to guide the academy’s curriculum, and provide experiential components such as guest speakers, real-world projects field experience sites, shadowing opportunities, mentors, student internships, community service opportunities, college, and other post-secondary education tours, as well as teacher externships.						
ACADEMY EXPERIENCE PLAN *						
	POST-SECONDARY EXPERIENCE			CAREER EXPERIENCE		
	Experience	Projected Date	Leader	Experience	Projected Date	Leader
9 TH	Lee College	Summer 2025	Hull	Baytown Wetlands Center	TBD	Jimenez
	Sam Houston State University	Spring 2026	Guillory	Baytown Animal Hospital-Dr. Alvarez	TBD	Mills, Rogers
				GCD FFA Greenhand Camp	9/16/25	Jimenez, Guillory, Mills
10 TH	Sam Houston State University	Spring 2026	Guillory	SHSU Beef Cattle Symposium	Fall 2025	Mills, Guillory
					10/3/25	Mills, Guillory

				Lone Star Equine Veterinary		
11 TH	Texas A&M- Galveston	10/4/25	Jimenez	Texas A&M Veterinary Teaching Hospital	Fall 2025	Mills
	Sam Houston State University	Spring 2026	Guillory			
	Texas A&M	9/25/25	Jimenez, Guillory, Mills			
12 TH	Texas A&M- Galveston	10/4/25	Jimenez	Texas A&M Veterinary Teaching Hospital	Fall 2025	Mills
	Sam Houston State University	Spring 2026	Guillory			
	Texas A&M	9/25/25	Jimenez, Guillory, Mills			

*Reference CTE Learning Framework for Grade Level Expectations

ACTIVITIES FOR INCOMING 9 TH GRADE STUDENTS	
Date	Activity
May 27-29, 2025	CTE Experience-SCTHS (Class of 2029)
Spring 2026	CTE Experience-SCTHS (Class of 2030)
SUMMER BRIDGE ACTIVITIES	
Date	Activity/Partnership Description
July 16-18, 2025	TSIA Boot Camp
August 11, 2025	Fish Camp
May 28, 2026	Ag Camp-Incoming 6 th -8 th grade students