

Schedule of Events

9:30 am	Dean's Welcome
10:00 am - noon	Concurrent Design Presentations
Noon - 1:00 pm	Lunch Break (EC Front Lawn)
1:00 - 3:30 pm	Concurrent Design Presentations



SENIOR DESIGN CONFERENCE

FRIDAY, MAY 1, 2026

Discipline Abbreviations

AE = Architectural Engineering	EV = Environmental Engineering
CH = Chemical Engineering	IE = Industrial Engineering
CE = Civil Engineering	ME = Mechanical Engineering
CS = Computer Science	MD = Multi-Disciplinary Projects
EE = Electrical Engineering	

FRANK H. DOTTERWEICH COLLEGE OF ENGINEERING

Room	ENGC 113	ENGC 109	ENGC 107	ENGC 275	ENGC 138	ENGC 136
Session	Chemical	Mechanical	Electrical	Civil	Architectural	Computer Science
Moderator	Dr. Joseph Amaya	Dr. Selahattin Ozcelik	Alexander Hernandez	Dr. Francisco Aguiniga	Dr. Amir Hessami	Dr. Hani Zakaria Girgis
Staff	Elizabeth True-Hill	Maria Lopez	Ida Enz	Natalynn Luera	Morgan Smith	Klarissa Krueger
10:00 am	CH1 - Dimethyl Ether from Methanol	ME1 - Manual Transmission Design and Analysis	EE1 - Light Fidelity (LI-FI)	CE1 - Agricultural Farm Upgrade	AE1 - Kingsville: The New Era	CS1 - Visionary
10:30 am	CH2 - Off- Shore LNG	ME2 - Fin and Tube Heat Exchanger	EE2 - Tank Process Control System	CE2 - Athletics Office Renovation	AE2 - Design of Historic Theater in Kingsville	CS2 - Boar Cast
11:00 am	CH3 - Hydrogen from Methane	ME3 - VTOL Fixed Wing Drone Design and Analysis	EE3 - HoloLift – Ultrasonic Volumetric Display	CE3 - Driscoll Water Desalination Plant	AE3 - Rolls and Reels - Entertainment Facility	CS3 - TENOR
11:30 am	CH4 - Syngas from Natural Gas	ME4 - Oxygen Butane Rocket Engine Design and Analysis	EE4 - Fault Detection in Three-Phase Microgrids	CE4 - Football Stadium Upgrade	AE4 - Design of Barbell Rodeo Gym	CS4 - Carl Alert Sensor
Noon LUNCH BREAK						
Session	Chemical/Natural Gas	Mechanical/Industrial	Electrical	Civil	Architectural/Environmental	Computer Science
Moderator	Dr. Joseph Amaya	Dr. Selahattin Ozcelik	Alexander Hernandez	Dr. Francisco Aguiniga	Dr. Amir Hessami	Dr. Hani Zakaria Girgis
Staff	Elizabeth True-Hill	Maria Lopez	Ida Enz	Natalynn Luera	Morgan Smith	Klarissa Krueger
1:00 pm	CH5 - Ethylene from Ethane	ME5 - TSGC Lunar Trencher Design and Analysis	EE5 - Solar Integrated Portable Power System	CE5 - Sequin Rail Transit Center	AE5 - Design of Kleberg Agricultural Complex	CS5 - AR Furniture Visualization
1:30 pm	CH6 - Phenylalanine from Glycerol	IE1 - MARIS - Marine Autonomous Research & Inspection System	EE6 - Single-Phase Power Factor Corrector for Single-Family Residential Structures	CE6 - Parking Garage	AE6 - Design of a Kingsville Emergency and Evacuation Shelter	CS6 - TAMUK SOL
2:00 pm	CH7 - T-butanol from Isobutane	-	EE7 - Autonomy and Hybrid Communication	CE7 - Ricardo Overpass	EV1 - Direct Air Capture Units	CS7 - TAMUK Campus Roommate Finder
2:30 pm	NG1 - A Natural Gas Well Performance: A Case Study of Amistad Field	-	EE8 - Digital Effects Pedal	CE8 - Santa Gertrudis Creek Bridge	EV2 - Taming Brown Algae in Baffin Bay	-
3:00 pm	-	-	-	-	EV3 - Recovering Water from Mechanical Draft Cooling Towers	-
3:30 pm CONFERENCE END						