

**College of Engineering and Energy & College of Computer and Systems Engineering - SACGC Pre-program Schedule - August 2026**

Week 1							
Time/ Date	Day 1 (Sunday) August 2, 2026	Day 2 (Monday) August 3, 2026	Day 3 (Tuesday) August 4, 2026	Day 4 (Wednesday) August 5, 2026	Day 5 (Thursday) August 6, 2026	(Friday) August 7, 2026	
9:00 - 10:00	Arrival & Registration	"What is Materials Science and Engineering" by Dr. Morsi Mohammad (MSE)	"Fundamentals Concepts in Mechanical Properties of Materials" by Dr. Abdulrahman Obaid (MSE)	Field Visit of Industrial Solid Waste Management and Treatment Processes  Dr. Meshari Almutairi & Dr. Abdulaziz Aldewesh	"Sustainability Definitions and Dimensions" by Dr. Asma Alazmi (EES)	OFF (No Program)	
10:00 - 10:20	Welcoming	ACTIVITY	ACTIVITY		ACTIVITY		
10:20 - 10:40	Program Overview	Break	Break		Break		
10:40 - 11:40	"Water Treatment and Water Scarcity" Dr. Meshari Almutairi (BAE)	"Materials Structure, crystal structure, and properties" by Dr. Morsi Mohammad (MSE)	"Principles of Mechanical Behavior in Engineering Materials" by Dr. Abdulrahman Obaid (MSE)		"Sustainability Rating System" by Dr. Asma Alazmi (EES)		
11:40 - 12:00	ACTIVITY	ACTIVITY	ACTIVITY		ACTIVITY		
12:00 - 13:30	Break	Break	Break		Break		
13:30 - 14:30	Experimental Analysis of Basic Water Quality Treatments  Dr. Meshari Almutairi & Eng. Meteb Mejbel	Practical Experiments in Materials Science  Dr. Morsi & Eng. Meteb Mejbel	Mechanical Testing of Materials: Deformation and Fracture Analysis  Dr. Abdulrahman & Eng. Meteb Mejbel	Solid Waste Management and Recycling" by Dr. Meshari Almutairi (EES)	Sustainability Evaluation of Engineering Projects using the Envision Framework  Dr. Asma Alazmi & Dr. Abdulaziz Aldewesh		
14:30 - 14:45				ACTIVITY			
14:45 - 15:00				Break			
15:00 - 16:00				"Environmental Awareness and Daily Behavior" by Dr. Meshari Almutairi (EES)			
Week 2							
Time/ Date	Day 6 (Saturday) August 8, 2026	Day 7 (Sunday) August 9, 2026	Day 8 (Monday) August 10, 2026	Day 9 (Tuesday) August 11, 2026	Day 10 (Wednesday) August 12, 2026	Day 11 (Thursday) August 13, 2026	
9:00 - 10:00	"Introduction to Data Science and Artificial Intelligence" by Dr. Abdullah Karar	"Introduction to Cyber Security" by Dr. Abdullah Karar	"A hands-on field trip experience to the Renewable Energy Department at MEW" Dr. Fahad Aldakheel & Eng. Jasem Alhumaidi	Workshop: From Basics to Brilliance: Core Engineering Skills	"Site Visit to Dasman Diabetes Institute" Dr. Abdulhameed Abdal & Eng. Aqeel Albahrani	"How Robots Sense the World (Vision + Touch + Environment)" by Dr. Abdulhameed Abdal (RME)	
10:00 - 10:20	ACTIVITY	ACTIVITY		How Smart Grids and Energy Storage Keep the Lights On		ACTIVITY	
10:20 - 10:40	Break	Break		Break		Break	
10:40 - 11:40	"Applied Data Science: Exploring Images and Patterns" by Dr. Abdullah Karar	"Understanding Cyber Threats and Data Protection Techniques" by Dr. Abdullah Karar		From Classroom to Community: Smart Grid Activities and IEEE Involvement" by Dr. Fahad Alhuwaisel (ESE)		"How Robots Think and Act (Possible applications across disciplines)" by Dr. Abdulhameed Abdal (RME)	
11:40 - 12:00	ACTIVITY	ACTIVITY				Break	
12:00 - 13:30	Break	Break		Break		Break	
13:30 - 14:30	Hands-on Lab: Building an Image Classification Model	Hands-on Lab: Encryption and Cybersecurity Challenge	"The Role and Importance of Energy in Daily Life" by Dr. Fahad Aldakheel (ESE)	Electricity in Action: Hands-on Circuit Experiments	"How Wearables Sense your Body (Basics of ECG, EMG, EEG)" by Dr. Abdulhameed Abdal (BIE)	"Experimental Introduction to Electronics, Sensing, and Control Systems" Dr. Abdulhameed Abdal & Eng. Aqeel Albahrani	
14:30 - 14:45			ACTIVITY			ACTIVITY	ACTIVITY
14:45 - 15:00			Break			Break	Break
15:00 - 16:00	Randa Younis, Nayfah Almutairi	Randa Younis, Nayfah Almutairi	"Workshop: Renewable Energy Concepts and Applications" by Dr. Fahad Aldakheel (ESE)	Dr. Fahad Alhuwaisel & Eng. Jasem Alhumaidi	"How Medical Devices Help the Body" by Dr. Abdulhameed Abdal (BIE)	Ceremony	

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14:30 - 14:45				ACTIVITY		
14:45 - 15:00				Break		
15:00 - 16:00	33KH - GF- Chemistry Labs	33KH - GF- Chemistry Labs	33KH - GF- Chemistry Labs	Environmental Awareness and Daily Behavior	33KH- 3rd Floor	

**Week 2**

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10:00 - 10:20	ACTIVITY	ACTIVITY		How Smart Grids and Energy Storage Keep the Lights On		ACTIVITY
10:20 - 10:40	Break	Break		Break		Break
10:40 - 11:40	Applied Data Science: Exploring Images and Patterns	Understanding Cyber Threats and Data Protection Techniques		From Classroom to Community: Smart Grid Activities and IEEE Involvement		How Robots Think and Act (Possible applications across disciplines)
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14:30 - 14:45			ACTIVITY		ACTIVITY	
14:45 - 15:00			Break		Break	Planning Department Talk
15:00 - 16:00	33KH- 3rd Floor	33KH- 3rd Floor	"Workshop: Renewable Energy Concepts and Applicatons" by Dr. Fahad Aldakheel (ESE)	14KHB - GF56 and GF57	How Medical Devices Help the Body	Ceremony

College of Engineering Programs



College of Computer and System Engineering

