

GRAND CANYON UNIVERSITY™

CAMPUS DIRECTORY

3300 W. Camelback Road, Phoenix, AZ 85017
gcu.edu | 800-800-9776 | www.gcu.edu/campusmap

- Lopes Way
- Promenade Circle
- College of Humanities and Social Sciences (CHSS 1)
- College of Humanities and Social Sciences (CHSS 2)
- Student Union
- ARC/Arena/Team Shop
- STEM

ASK ME: Health Sciences, Engineering and Technology Day volunteers are wearing volunteer shirts and will be available throughout the program to assist with guest questions or needs.

ATM: An ATM is available in Thunder Alley and the Arena lobby.

Disability Services: For disability accommodations, please contact disability services at 602-639-6342.

First Aid: Located in the Arena lobby and at the HAWS tour locations.

Lost and Found: Any lost and found items should be given to the DJ.

Lunch: Lunch will be served free of charge for registered guests with a wristband, in the Arena at 11:30 am.

Refreshments: Food service for guests is available for purchase at the Arena, Thunder Alley, Lopes Way, the Student Union and Grand Canyon Beverage Co.

The Team Shop: Located in the Arena lobby, will be open from 10 am to 4 pm.

The Lopes Shop: Located on Lopes Way, will be open from 8 am to 5 pm.

THANK YOU TO OUR PARTICIPATING ORGANIZATIONS

- A.T. Still University
- Accord Healthcare Institute
- Fresh Recycling Inc.
- GCU AzHOSA
- GCU Career IMPACT Center
- GCU College of Nursing and Healthcare Professions
- GCU College of Science Engineering and Technology
- GCU Forensic Science Society
- GCU Honors College
- GCU POWER Lab
- GCU Pre-Dental Society

HEALTH SCIENCES ENGINEERING and TECHNOLOGY DAY



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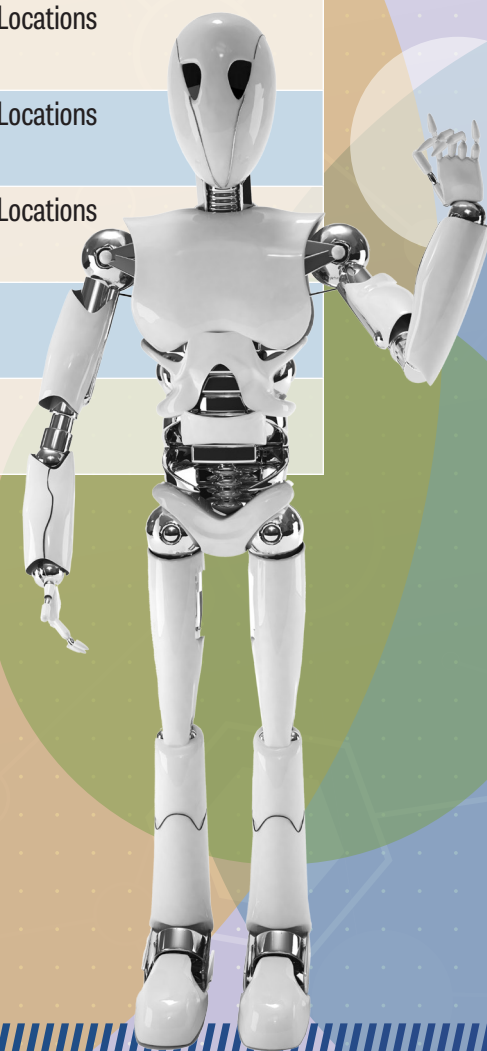
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NOV. 10, 2016

SCHEDULE OF EVENTS

Time	Event	Location
7-10 am	Check-In <i>Pick up packets, printed agendas and wristbands</i>	Arena Lobby
7-11:30 am	Campus Tours	Arena Plaza
7 am - Noon	GCU Admissions Booth	Arena Plaza
7 am - Noon	Exhibitor Booths	Various Locations
7 - 11:30 am	Senior Lounge	Antelope Reception Center (ARC)
7:45 - 11:30 am	DNA Lab Tours <i>No appointment needed, walk-ins welcome</i>	CHSS 2 <i>Check-in for DNA lab tours is outside on the patio at Promenade Circle</i>
7:45 - 11 am	Nursing Lab Tours <i>No walk-ins. Please arrive 15 min. prior to your scheduled tour appointment</i>	CHSS 1 <i>Check-in for DNA lab tours is outside on the patio at Promenade Circle</i>
7:45 - 11:30 am	HAWS Lab Tours <i>No walk-ins. Please arrive 15 min. prior to your scheduled tour appointment</i>	STEM 57 <i>Check-in for all HAWS lab tours is outside on the lawn, located north of the STEM building</i>
9 - 9:30 am	Speaker Presentations	Various Locations
9:45 - 10:15 am	Speaker Presentations	Various Locations
10:30 - 11 am	Speaker Presentations	Various Locations
11:30 am	Lunch <i>Free for registered guests with a wristband</i>	Arena
Noon	Closing Program	Arena



FEATURED ACTIVITIES AND EXHIBITS

- Exploring Careers in Healthcare, Accord Healthcare Institute
- Honors STEMists, GCU Honors College
- Determine the Right Major for You, GCU Career IMPACT Center
- Fingerprint Identification, GCU Forensic Science Society
- College of Science, Engineering and Technology (CSET) Innovative Computing Activities and Information
- GCU AzHOSA
- The Importance of Dentistry and Youth, GCU Pre-Dental Society
- Minecraft Pi: Python Demo, GCU Innovative Computing Club
- GCU Performance, Optimization, Wellness and Exercise Research (POWER) Lab, including exercise science demonstrations, presentations and poster displays
- College of Science, Engineering and Technology (CSET) students' research project display and presentations
- College of Nursing and Health Care Professions (CONHCP) students' research project display and presentations

SENIOR LOUNGE

Grand Canyon University invites all high school seniors attending Health Sciences, Engineering and Technology Day to an exclusive opportunity to network with your peers and learn more about STEM specific programs at GCU.

WHO: Seniors attending Health Sciences, Engineering and Technology Day

WHEN: Nov. 10, 2016

TIME: 7 - 11:30 am

WHERE: Grand Canyon University's Antelope Reception Center (ARC)

HEALTH SCIENCES TRACK

Delve into the world of health sciences during these sessions that share insight into the careers of forensic dentistry and health care management. You can also explore topics covering the effects of drugs, fuels of the future and even college scholarships. If where health meets science interests you, don't miss these learning opportunities that will open and challenge your mind.

LEONARD GOLDSTEIN

- DDS, PhD
- Vice President for Clinical Education Development at A.T. Still University of Health Sciences
- Expert in health sciences

Session: "Forensic Dentistry: Body Identification, Bite Marks and Mass Disaster"

Learn what forensic dentists do, based upon real cases of body identification and criminal cases, including homicide and mass disasters. This will include the different types of forensic teams and the use of computers in mass disaster identification.

PASCALE LEE

- MHA
- Lead Faculty - BS - HCA at Grand Canyon University
- Expert in health sciences

Session: "Health Care Management - Find Your Purpose"

Interested in finding your purpose in health care management? Join us as current students share their own experiences and excitement about this rapidly growing area of health care.

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- Fingerprint Identification, GCU Forensic Science Society
- GCU AzHOSA
- The Importance of Dentistry and Youth, GCU Pre-Dental Society
- Exercise Science Demonstrations, GCU Power Lab
- CSET students' research project display and presentations
- CONHCP students' research project display and presentations

LEARNING TRACKS

THREE LEARNING TRACKS are available to follow for students who express a strong interest in one of the following areas: health sciences, engineering or technology. We encourage participants to attend speaker sessions that align with their interests. See below for various topics, demonstrations and discussions in each area.

ENGINEERING TRACK

Curious about how things work in the modern world? Do you love to apply what you learn to solve real-world problems with innovative solutions? Peek into the challenging and creative field of engineering from the perspectives of our experienced insiders who will speak on relevant topics like 3D printing, robots, recycling and more.

KYLE JONES

- BS, MS, PhD Mechanical Engineering
- Grand Canyon University
- Expert in biomedical engineering

Session: "3D Printing Body Parts?"

3D printing of engineering materials is well established and already has a major impact on product development and manufacturing. Many consider the next frontier to be the ability to use 3D printing techniques to create living tissues. Join this discussion as we explore the technology of 3D printing and its potential to redefine not only medicine, but also what it means to be human.

ED KOENEMAN

- BEET, MEET
- Professor at Grand Canyon University
- Expert in engineering

Session: "The Robots Are Coming!"

Gain an overview of electrical engineering as an exciting career path.

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- Honors STEMists, GCU Honors College
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- CSET students' research project display and presentations

EMILY VIAU

- PhD
- Professor at Grand Canyon University
- Fresh Recycling Inc.
- Expert in engineering

Session: "Recycling the World!"

Learn all about the jobs of the environmental engineer, including land, water and air.

DINA HIGGINS

- BS Mechanical Engineering, MS Environmental Technology
- Professional engineer and professor at Grand Canyon University
- Expert in automotive safety air bag and seat belt design and development, along with environmental management and public policy

Session: "Crash Test for Dummies"

The number one cause of death for people ages 15 - 24 is road traffic accidents. Join in the discussion on automobile accidents, common misconceptions of safety systems and the engineering that goes into making cars safer.

TECHNOLOGY TRACK

The in-demand, growing field of technology is the mecca of research, discovery and innovation. The future of technology is exciting and changes every day. The following demonstrations show the fascinating side of technology, from python programming in Minecraft and hand-drawn game controllers to Google hacking and cutting-edge tech that supports forensic scientists.

INNOVATIVE COMPUTING CLUB

- Grand Canyon University
- Experts in programming, computer science and IT

Session: "Minecraft Pi: Python Demo"

Check out this live demonstration on Raspberry Pi and how to manipulate Minecraft using a Python Shell. This presentation shows the basics of python programming and how it can be used to manipulate the environment in Minecraft.

ALBERT C. KELLY III

- MSCIS
- Associate professor at Grand Canyon University
- Expert in information technology and cybersecurity

Session: "Advanced Search Techniques: Google Hacking"

Increase your Google Foo: searching like a boss. Learn to use Google's standard and advance operands to perform refined searches. Discover Google's hidden features and even your nose!

MELISSA BEDDOW

- MSFS
- Assistant professor of forensic science at Grand Canyon University
- Expert in technology

Session: "The Technology of Forensic Science"

Explore today's technology that allows forensic scientists to do their job effectively.

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- CSET students' research project display and presentations

ROMÉO FARINACCI

- DMgt, CISSP, CISM
- Program director at Grand Canyon University
- Expert in information technology and cybersecurity

Session: "Hacking Techniques Exposed"

Experience this demonstration of hacking websites, identifying vulnerabilities and exposing trade secrets.

ISAC ARTZI

- BS Mathematics and CS, MSCS, PhD Instructional Design
- Associate professor of computer science at Grand Canyon University
- Expert in data science, analytics, machine learning and artificial intelligence

Session: "Can Bananas Replace Your Computer Keyboard?"

Join this demonstration to learn how to interact with a computer by replacing the keyboard with bananas, hand-drawn game controllers and even your nose! Participants will engage in hands-on activities.