UNIVERSITY OF GUAM CHARTER DAY

March 6, 2019 UNIVERSITY OF GUAM CHARTER DAY 2019

PARA HULO' EVER UPWARD

Celebrate the 51st Annual University of Guam Charter Day on Tuesday, March 12, 2019.

CHARTER DAY MAP

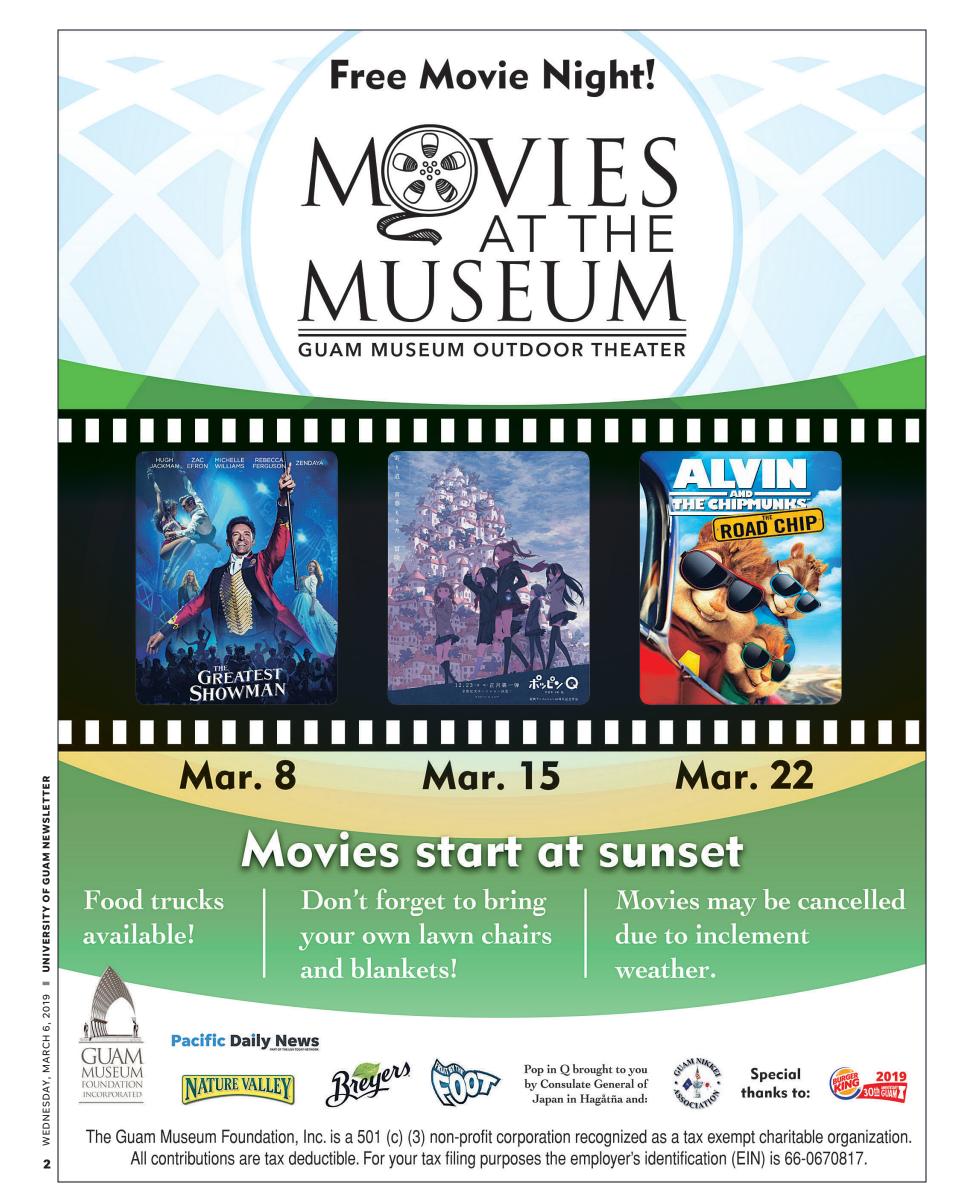
Use this helpful map to find your favorite vendors at the Center Courtyard.

EVENTS SCHEDULE

See what's happening all over campus throughout the day.









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Financial Aid Office Office of Institutional Effectiveness

LAYOUT AND

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2019 CHARTER DAY COMMITTEE

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The University of Guam is a U.S. Land Grant Institution accredited by the Western Association of Schools and Colleges Senior College and University Commission and is an equal opportunity provider and employer.

MESSAGE FROM THE PRESIDENT

On March 12, the University of Guam will celebrate its 51st Charter Day, marking the anniversary in which the Territorial College of Guam was officially named the University of Guam.

Since its founding in 1952, the University has conferred more than 18,000 degrees to graduates. These alumni are now making meaningful contributions and bringing valued leadership to a broad array of industries across Micronesia.

That, in essence, is the promise that UOG continues to make to the community: to serve learners in our islands and prepare them with the knowledge, skills, attitudes, and abilities to then serve the community. Charter Day is a celebration of that promise.

The theme of this year's Charter Day, "Para Hulo'," or "ever upward," is a reminder and a commitment to continue in our upward trajectory toward excellence.

On this day, we celebrate what is most special about the University of Guam: our capacity for producing leaders; our ability to preserve, enrich, and promote the regional culture; and our capability to contribute specialized knowledge and research for the local and global communities.

It is our pleasure to share this day with all of you, as well as with our valued faculty, staff, administrators, and students, and we hope your Charter Day experience marks the start of lifelong relationship with UOG.

Biba UOG!

Thomas W. Krise, Ph.D. President

MESSAGE FROM THE CHAIRPERSON

As with every year since the first Charter Day in 1968, the University of the Guam and the region that it serves have a lot to celebrate this year.

The University has been a respected fixture in the community, educating each generation through what has become 15 master's degree and 25 bachelor's degree programs.

The faculty, administrators, and staff have launched, expanded, and refined both academic and research programs with the needs and best interests of the community in mind. And UOG will continue to pursue the next critical role it can fill in education.

This Charter Day is particularly exciting as our first with the 11th president. President Krise has been actively engaging

with hundreds of Tritons past and present as well as UOG partners and supporters locally and abroad. With their input and more input to come, he will be developing a strategic plan to move UOG forward. Our Para Hulo' theme this Charter Day follows the theme of that plan and charts our direction ahead: ever upward.

The Board of Regents looks forward to celebrating our great University with the community. We commend all who have had and now have a role in making UOG the engine for change, growth, and collaboration that it has become, and we look forward to guiding UOG in its new era.

Para Hulo' - Ever Upward!

Christopher K. Felix Chairperson Board of Regents





LOOKING EVER-UPWARD

UOG welcomes community to celebrate its 51st Charter Day and beyond.

For one day a year, the doors on the University of Guam campus are open to the public, with friendly faces on the other side to offer tours, answer questions, and share what they do best. It's Charter Day, UOG's biggest event of the year.

Charter Day is not only a festive allday outing where families, students, and the community at large can come enjoy cultural huts and demonstrations and sample a smorgasbord of food from local vendors. It's also a day of learning and exploring the diverse academic pathways and student life organizations that UOG has to offer, and it's a day for celebrating UOG's 51 years of innovation, courageous risk-taking, and cultural expression and preservation.

HOW CHARTER DAY CAME TO BE

In 1968, then-Governor Manuel F.L. Guerrero signed the "University Bill" establishing the University of Guam. In the same year, Guerrero proclaimed the first-ever Charter Day on Dec. 17 through Executive Order 74-09. Charter Day was later moved to the month of March, and Tritons have celebrated annually ever since.

The day recognizes the academic and professional accomplishments of nearly 4,000 students, more than 17,500 alumni, the staff who keep the institution running, the faculty who serve as mentors and conduct meaningful research, and the institution as a whole that engages our island communities.

This year, UOG is celebrating its 51st Charter Day under the theme "Para Hulo'," or "ever upward," to mark the start of the University's continued pursuit toward excellence following a transformative last 10 years under now President Emeritus Robert A. Underwood's "Good to Great" initiative.

"Over the last 15 years, UOG has been working to become a great university, and we are primed to continue moving in that ever-upward trajectory," said President Thomas W. Krise, who took the helm in August.

The University's 11th president has launched a strategic planning process by the same name of Para Hulo' that will guide UOG into its next phase.



The University of Guam Charter Day celebration is held on the second Tuesday of March. Every year, UOG welcomes over 5,000 people to its campus for a time of family-friendly fun, entertainment, eating, and learning. This year, Charter Day will be held on March 12, 2019, beginning at 9 a.m. in the Center Courtyard on the University campus.

ACTIVITIES FOR ALL

The Charter Day celebration begins at 9 a.m. on March 12 in the Center Courtyard with dance performances, demonstrations from UOG's Army ROTC program, live music, games, food, and an obstacle course. But the energy and activity isn't limited to just the courtyard. Tours and activities will be going on campus-wide.

Visitors can learn about the third most common type of cancer in Guam while walking through the UOG Cancer Research Center's 20-foot Giant Inflatable Colon, take part in children's craft and storytelling activities at the School of Education, or have their blood pressure

and blood glucose tested at the School of Nursing & Health Sciences. Elementary to high school students will have the opportunity to show their proficiency in the CHamoru language through song, chants, and essay readings with the College of Liberal Arts and Social Science's annual CHamoru Language Competition.

Faculty from the University's newest school, the School of Engineering, will also be on hand to share information on the upcoming four-year civil engineering degree program.

With reservations ahead of time, guests can take an inside look at two the University's top research operations the Marine Laboratory and the Water &

Environmental Research Institute, where they can get up close and personal with ocean creatures in touch tanks and take a 3D virtual tour of Guam's aquifer. Tours of the campus and the RFK Library, exhibits at Isla Center for the Arts and the Micronesian Area Research Center, and open houses at KPRG Public Radio and the Triton Store will also be available.

NEW IN 2019

This Charter Day also has an exciting first-time offering: TechFest, put on by the Office of Information Technology in the campus Computer Center. This eventinside-an-event will feature a showcase of the latest products, a series of talks on various tech topics, interactive games and workshops, and a notable keynote speaker who has worked for Google and now Airbnb. With so much to do, see, and learn this Charter Day, another new feature has been launched this year. The Charter Day mobile application has been developed to keep visitors informed and help them easily navigate the campus and the full schedule of activities. It can be downloaded in the Google Play store for Android users or in the App Store for iPhone users.

PART OF THE BIGGER PICTURE

Charter Day is the start of what UOG hopes will be a lifelong relationship with every adult, child, and manåmko' who visits the campus that day. UOG wants to be an accessible and familiar place to the community, whether for academic endeavors, research interests, or practical every day tips and resources through the Cooperative Extension & Outreach programs and services. "We want people to leave Charter Day with a sense of pride in the island and in the people here but also with an inspiration to be part of the bigger picture," Krise said. "The programs and projects going on here at UOG impact the community and region as a whole, and everyone can seek to be a part of that important mission here at the University of Guam."

Charter Day will be held on Tuesday, March 12, 2019. The event is FREE and open to the public. See schedule on page 8 and map on page 9 or visit www.uog.edu/ charterday or download the official Charter Day App for more information.



BIBA UOG CHARTER DAY!





UOG: INSTITUTIONAL PROFILE



Founded in 1952, the University exists to serve its learners and the communities of Guam, Micronesia, and the neighboring regions of the Pacific and Asia.

UOG's origins begin with the creation of a two-year teacher-training college by the U.S. Department of Education. In 1963, administrative control was transferred to a local Board of Regents. That same year accreditation was granted as a four-year degree-granting institution.

In 1968, by act of the Guam Legislature, the college officially became the University of Guam. Recognized as a Land Grant institution in 1972, UOG has become a leading public university offering 25 undergraduate and 11 graduate degree programs.

These degree programs are administered by six schools and colleges:

- College of Liberal Arts and Social Sciences (CLASS)
- College of Natural and Applied Sciences (CNAS)
- School of Business and Public Administration (SBPA)
- School of Education (SOE)
- School of Engineering (SENG)
- School of Nursing and Health Sciences (SNHS)

ACADEMICS

UOG's reputation as a student-centered university is well-deserved. Faculty take pride in their ability to teach and reach students, preparing them with the skills needed to succeed in life.

The University of Guam is also a developing center for graduate education and research excellence, boasting affiliations with federal land grant, sea grant, and space grant programs.

There are 340 faculty, 180 of them full-time. The undergraduate student-to-faculty ratio is 16:1. The average undergraduate class size is 19.

ACCREDITATION

The University of Guam is accredited by the Western Association of Schools and Colleges Senior College and University Commission (WSCUC). In addition to WSCUC accreditation, the following organizations have accredited specific academic programs:

- Council on Social Work Education (CSWE) for the undergraduate Social Work program;
- International Assembly for Collegiate Business Education (IACBE) for the Business Administration programs;
- Council for the Accreditation of Educator Preparation (CAEP) for the Education programs;
- Accreditation Commission for Education in Nursing, Inc. (ACEN) for the Nursing program.

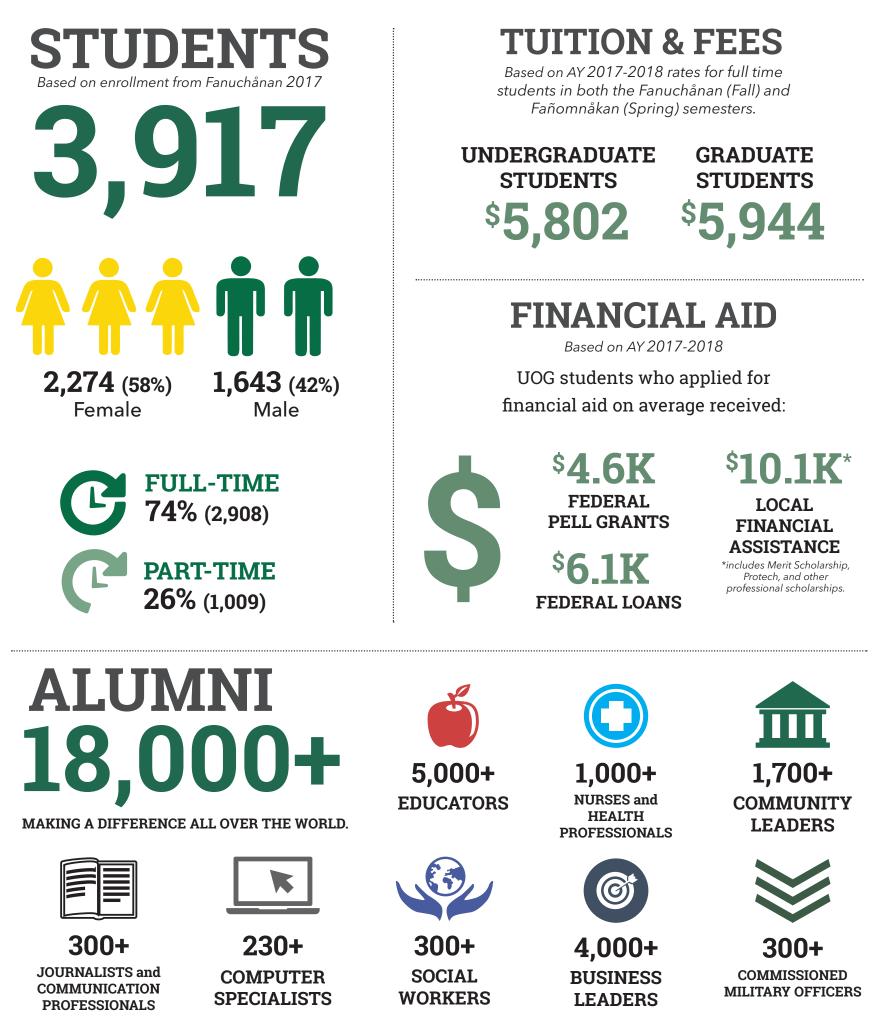
RESEARCH UNITS

- Cancer Research Center
- Center for Excellence in Developmental Disabilities Education, Research and Service (Guam CEDDERS)
- Cooperative Extension Service
- Marine Laboratory
- Micronesian Language Institute
- Richard F. Taitano Micronesian Area Research Center (MARC)
- Sea Grant
- Water and Environmental Research Institute of the Western Pacific (WERI)
- Western Pacific Tropical Research Center (WPTRC)

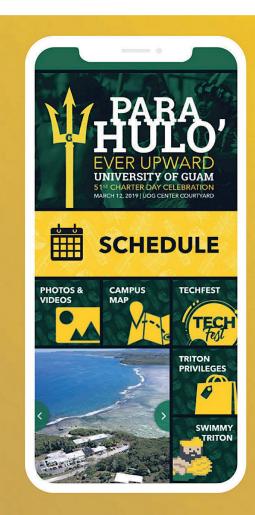
UNIVERSITY CENTERS

- Center for Island Sustainability
- Small Business Development Center
- Pacific Islands Small Business Development Center Network
- Women in Business Center
- Guam Procurement Technical Assistance Center
- Guam Veterans Business Outreach Center
- Isa Psychological Services
- Isla Center of the Arts
- Pacific Center for Economic Initiatives
- Regional Center for Public Policy
- Bank of Hawaii Center for Entrepreneurship and Innovation

UOG BY THE NUMBERS



Information provided by the Office of Institutional Effectiveness and Financial Aid Office.



CHARTER DAY APP

We've got a new way to keep track of your favorite Charter Day events.

Download the **UOG Charter Day App** for a full schedule of activites, campus map, and more!

AVAILABLE NOW

Available on the App Store

SCHEDULE OF EVENTS

CENTER COURTYARD

- 9 a.m. Opening Ceremony
- Food, Games and Activities for the Whole Family
- Cultural Hut
 Competition
- Live Performances
- UOG Army ROTC Demonstrations
- Over 60 Vendors with Toys, Souvenirs, Food, Drinks, Games

CAMPUS ACTIVITIES

- Triton Store 8 a.m. to 11:30 p.m. Located at the Student Services Center
- Campus Tours 9:00 a.m. to 3 p.m. Guided tours throughout the UOG Campus. Meet at the Calvo Field House.
- Marine Lab Tour 9 a.m. to 12 noon Reservations are required. Call 735-2190.
- WERI Virtual Aquifer

Tour, 10a to 12 noon Reservations are required. Call 735-2685.

- Isla Center for the Arts exhibit: I Tano, I Tasi, yan I Taotao siha: Boundaries, Balance, and Behaviors - House #15 Dean's Circle
- IT Techfest 9 a.m. to 4 p.m., Computer Center
- MARC Through the Years Exhibit - 9 a.m to 2 p.m., Micronesian Area Research Center
- Ping Pong and Popcorn 9 a.m to 3 p.m. Learn about student organizations, student government, leadership programs and activities, and more. - Student Services Center
- RFK Library Book Sale and Tour 9 a.m. to 2 p.m.
- KPRG Open House, House #13 Dean's Circle 10 a.m. to 2 p.m.
- Triton Store Open House 8 to 11:30 a.m.
- President's Cup WildCard Event - 2 p.m.

SCHOOLS & COLLEGES

- **College of Liberal Arts & Sciences** 9a to 3p
- KULU, The Giant Inflatable Colon (UOG Cancer Research Center) Walk through KULU, the 20-foot-long inflatable colon!
- Guam Cancer Care display 10a to 2p

College of Natural & Applied Sciences

• High School Chemistry Titration Competition -Science Bldg. 8:30 a.m.

School of Business & Public Administration

 SBPA Service Center Display Tables - Guam SBDC, PTAC, RCPP, C4EI (SBPA Atrium) 8 a.m.-12 noon

School of Education 9 a.m. to 12 noon SOE Activities are geared toward K-5 students.

- Learn how to weave from Chief! Location: SOE 103
- Storytelling Activity

Location: SOE 104A

• Children's Craft Activity Location: SOE 104B

Google Play

• Educational & Cultural Obstacle Course Location: Outside SOE building

School of Engineering 9am to 2p

Talk to professors about curriculum and upcoming projects. House #36 Dean's Circle

School of Nursing & Health Sciences 9am to 12 noon

- Tour the School of Nursing and Health Sciences Learning Resource Center.
- Watch as nursing students bring the healthcare profession to life with SIM mom, SIM baby, and SIM man.
- Get your blood pressure monitored and take a blood glucose test on your visit.

CHARTER MONTH ACTIVITIES

- College of Liberal Arts and Social Sciences Annual Research Conference, HSS Building, March 7-8, 2019
- ARC Slam Poetry Contest -CLASS Lecture Hall on Friday, March 8, 9 a.m.-4 p.m.
- Balance for Better Resource Fair March 8 ,12 noon to 2 p.m. HSS Atrium
- Annual Charter Day 5K2K Run/Walk - March 10, 2019. For more information, visit www. supportuog.org.
- CHamoru Language Competition - Calvo Field House, March 11-12, 2019.

For the most up to date schedule and more info, visit www. uog.edu/charterday or download UOG's Charter Day app.

OF GUAM NEWSLETTER

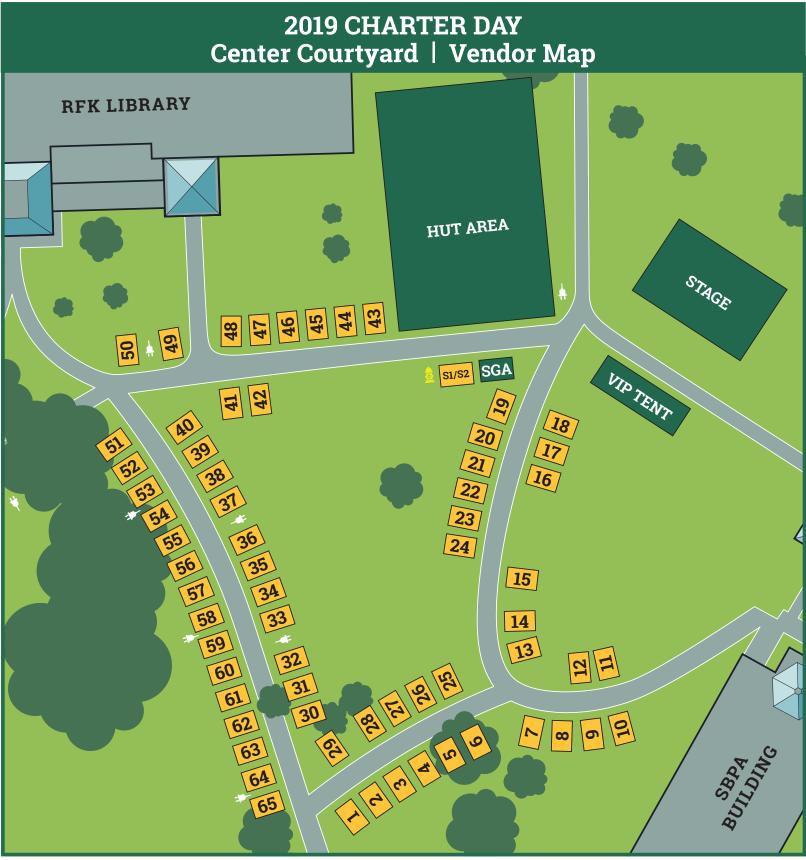
UNIVERSITY

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2019

WEDNESDAY, MARCH 6,

8



LEGEND:

VENDOR

SPECIAL

POWER BOX

44. RPSO

FIRE HYDRANT

- - 60. APS
 - 61. Sociology Club
 - (Sundays)
 - 62. Fat Boy Slim
 - Smilechild
 - 64. UOG AMA
 - 65. John Ray's Novelties
- 53. Zana Gifts & Things 54. Panda Express
- 55. Allan/Loida Lacap
- 57. Ohana Hawaiian BBQ
- 58. Ohana Hawaiian BBQ

- 56. Allan/Loida Lacap

WEDNESDAY, MARCH 6, 2019 I UNIVERSITY OF GUAM NEWSLETTER 9

1.

- STAR STAR 2.
- Sociology Club (Mighty 3.
- Purple)
- The Food Truck 4.
- Sticky Fingers 5.
- Sticky Fingers 6.
- Hooker's 7.
- EMC^2 8.
- Crook 9.
- 10. E-Society
- 11. Guam Coalition Center
- 11B.Matakos Food Truck
- 12. 671 Kettle Korn
- 13. Maria Elizabeth Cabrera
- 14. Ungoy Enterprise

- 16. Temptation
- 17. PALS (RJ Rentals)
- 19. Li Yang & Yuan (Momo's
- Cafe)
- 20. \$5 Paparazzi by Jashae
- 21. Sip n Dip
- 22. Munchies Food Truck
- 23. Munchies Food Truck
- 24. John Robert Powers
- School
- 24C.Men n' Joy
- 25. Momo's Cafe
- 26. LoveClub 27. Peakcraft

- - 31. DP's
 - 32. DP's

29. Momo's Cafe

30. G&G's BBQ

- 33. Korned
- 34. Korned
- 35. Sip n Dip
- 36. Sip n Dip
- 36B.Maisa
- 37. Lynn's BBQ Stix
- 38. Lynn's BBQ Stix
- 39. Lighten' Up
- 40. Momo's Cafe 41. Sip n Dip
- 42. Ungoy Enterprise

- S1. Unity

28. Mama Ree's Sweet Treats 43. GuamSnowie

45. The Dirty Kitchen

46. The Dirty Kitchen

51. UOG Green Army

49. Pure Lemon

52. Blenddit Mix

50. Yuniiku

47. Polynesian Handcrafts

48. Maria Elizabeth Cabrera

- 59. Pure Lemon
- 63. Black Fyre Syndicate/
- S2. ISA

- 15. Electric Island Festival 18. Pitshop

ZERO WASTE AND OTHER WAYS UOG IS LEADING THE EFFORT ON SUSTAINABILITY

As you're moseying from the barbecued chicken food truck to the shaved ice or boba tea stand this Charter Day, you may notice something a bit unusual. No Styrofoam food boxes. No plastic bags. No plastic cutlery. Not even any plastic decorative toothpicks. The University of Guam will be, as it has in Charter Days past, setting an example for sustainability by requiring that vendors only distribute materials that are either biodegradable or locally accepted for recycling.

As you go to discard any trash, a friendly team of volunteer students and UOG Center for Island Sustainability (CIS) staff will direct you to one of three containers: biodegradables, recyclables, and trash.

"All the organic waste, whether it's napkins, paper plates, food waste... that all goes up to Triton Farm and gets composted," said Phillip Cruz, sustainability coordinator for CIS, adding that steel cans, glass, cardboard, aluminum, and No. 1 and 2 plastics are taken by iRecycle to the appropriate recycling facilities. The effort last year resulted in more than 30 large bags being diverted from the landfill, 14 of which were plastics and 11 of which were food waste and other compostable materials.

This is part of the Charter Day Zero-Waste Policy that CIS put forth and that the Student Government Association enforces, issuing fines to vendors who do not comply.

It's just one of many initiatives the University has in the works in order to stimulate sustainable thinking, ideas, and action in Guam and the region.

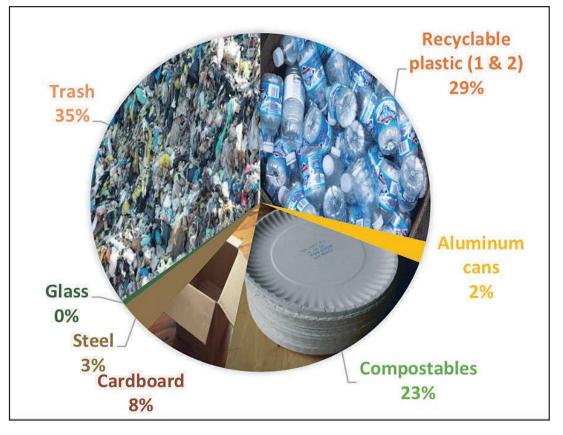
FROM CAMPUS TO COMMUNITY

Over the past the year, CIS distributed more than 1,000 free metal straws to UOG students, faculty, and staff. It instituted a no-plasticbags policy at the campus bookstore. It was instrumental in the development and passage of legislation to ban plastic bags in Guam by 2021 and proceeded to distribute 500 free reusable bags to Guam residents while educating them on the new law and plastic's harms to the environment. The University also hasn't allowed Styrofoam on campus since 2009.

"We're working to lead our island region toward a sustainable future," said Austin Shelton, executive director of CIS. "We develop and test sustainability strategies and technologies and encourage our community to take action on sustainability."

Of particular note in regard to technologies
 is the center's work to reforest the badland
 areas on Guam and prevent runoff that harms
 the coral reefs, one of Guam's biggest envi ronmental problems, Shelton said. Through a

Percentage of Waste and Recyclables Collected at Charter Day 2018



Source: Center for Island Sustainability Solid Waste Management After Action Report

conservation and innovation grant from the U.S. Department of Agriculture, CIS is working to use drones and off-roading vehicles to disperse seeds to reforest badland areas.

"Currently, volunteers have to hike up mountains for hours at a time to plant a few hundred trees," Shelton said. "We're adapting drone technology to disperse seed balls into these remote areas and hopefully get substantial reforestation accomplished within our lifetime."

CIS conducted the research to identify a few species of savanna plants that will grow in degraded soils and prevent further erosion in these areas. The plant propagation process is starting now, which will allow for field implementation this July.

"We're hoping for at least 10,000 plants on the ground during that time," he said.

EFFORTS TO EDUCATE

The University, through CIS and also the Cooperative Extension & Outreach service, is taking an active role in outreach to educate the community on sustainability topics. These units can be found at community events, at workshops, and in classrooms across the island informing island residents on reef-safe sunscreens, how to compost, how plastic waste harms turtles and other marine life, and how to grow, process, and preserve local produce, among other topics.

UPCOMING CONFERENCE

One of the University's biggest outreach events, the Regional Conference on Island Sustainability, is coming this April 8 - 12. In its 10th year, the conference aims to inspire change and encourage action toward sustainable practices. The theme this year, "Sustainable Then. Sustainable Again?", will look back to earlier eras on Guam when the people lived sustainably and will explore what lessons residents today can take from those times.

Learn more about the work the University of Guam is doing to lead the local and regional community toward more sustainable living by stopping by the Center for Island Sustainability table in the Center Courtyard on Charter Day or visiting their website at www.uog.edu/cis.



Sustainable Then. Sustainable Again?

REGIONAL CONFERENCE ON ISLAND SUSTAINABILITY

APRIL 9-12, 2019 | HYATT REGENCY GUAM



EARLY BIRD REGISTRATION AVAILABLE UNTIL MARCH 15, 2019 REGISTER AT: www.uog.edu/cis2019





UNIVERSITY OF GUAM CENTER FOR ISLAND SUSTAINABILITY





We can help you build your website!

Designed and built just for your business, a website brings your customers. More visits from local searchers. More views on smartphones and tablets. And an effective local website design gets more conversions from your target consumers.



Developement, Design & Maintenance, Secure Hosting, URL Ownership

Program: A professional website with a customized theme and color palette. Includes all the pages you'll need to describe your business and encourage prospects to contact you. Plus, your website is responsive, meaning it's optimized for viewing on desktop, laptops, tablets and mobile devices.





FIRST-EVER TECHFEST TO EDUCATE AND INSPIRE

Techies, rejoice. The Information Technology Team at the University of Guam will be feeding you all the bits, bytes, and bots that your bandwidth can handle – so to speak. Making its firstever appearance at University of Guam's Charter Day, TechFest will be a day-long event featuring a showcase of the latest products, a series of 15-minute talks on various tech topics, interactive games and workshops, and a notable keynote speaker with roots in Guam who has worked for Google and now Airbnb.

"We're excited to make TechFest a part of Charter Day – it's the first time we'll be having this event," said Rommel Hidalgo, chief information officer for UOG. "It will be like a mini Technology Day, where we highlight the most innovative, fun, and recent technology implementations at the University of Guam and available on island, and hopefully, it will inspire a lot of interest in the IT field."

Attendees of all ages and technological proficiencies can appreciate TechFest – whether it's for a session in the photo booth, experiencing virtual reality, playing a digital game developed by the IT team, or building their own game in a 20-minute tutorial for middle- and high school-aged students.

15-minute Lightning Talks will cover the topics of web development, security awareness, networking using Science DMZ architecture, and using Microsoft Office 365 to its full potential.

The pinnacle of the event will be a

keynote presentation by Airbnb's Jay Castro. Castro, who has roots in Guam through his parents, has built a successful career in technology in the U.S. mainland, working for Google as a user experience content strategist for Google Ads and now for Airbnb as its product content strategist.

"He has a lot of practical experience in the digital world and in working on major systems like Google Ads and YouTube," Hidalgo said. "His presentation will be enlightening for students exploring their career options as well as those already in the tech field."

For more information on TechFest, visit http://techfest.uog.edu or download UOG's Charter Day app.

FEMALE STUDENTS TO RECEIVE COMPUTING AWARD

Seven young women from Guam's public high schools will be honored at TechFest on Charter Day for their computing-related achievements and interests. The young women competed for the National Center for Women & Information Technology's Award for Aspirations in Computing. Julienne Juaneza of Southern High School will be presented the award, while the six others will receive honorable mentions.

NCWIT is a nationwide nonprofit that exists to increase the participation of girls and women in technology-related fields. Recipients for the Aspirations in Computing award are selected for their demonstrated interest and achievements in computing, proven leadership ability, academic performance, and plans for post-secondary education. The award is sponsored by major corporations including Apple, Bank of America, and Microsoft.

"We want to encourage young women here in Guam in their interest in technology, so UOG's Office of Information Technology got involved with NCWIT two years ago and has since facilitated 11 female high school students in being recognized," said Rommel Hidalgo, chief information officer for UOG. "These awards are wellrecognized in the industry and will be an asset on these students' resumes as they move into their future careers."

The award presentation will be at 11 a.m. on March 12 in the Computer Center on the University of Guam campus.

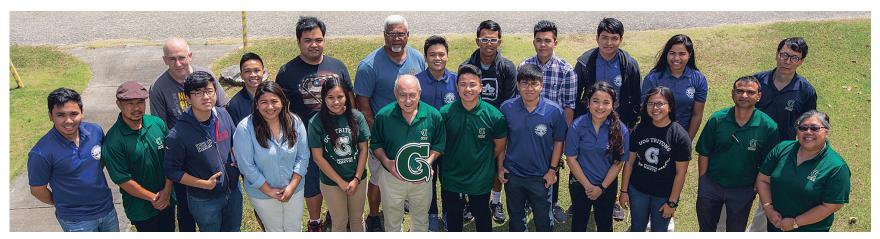
2019 NCWIT AWARD FOR ASPIRATIONS IN COMPUTING WINNER

• Julienne Juaneza

Southern High School HONORABLE MENTIONS

- Angeline Francisco John F. Kennedy High School
- Maria Luceline Alfonso
- Simon Sanchez High SchoolDior Nguyen Simon Sanchez High School
- Judy Marie Delos Reyes
 Simon Sanchez High School
- Yssabelle Valencia Simon Sanchez High School
- Biana De Los Angeles Tiyan High School

CIVIL ENGINEERING: UOG'S NEWEST DEGREE PROGRAM



Students, faculty, and staff of the University of Guam School of Engineering celebrate the school's newly approved four-year Bachelor of Science in Civil-Engineering program on Feb. 13.

For as long as they can remember, agencies and companies in Guam and the Micronesian region have struggled to fill engineering positions. Students who want to pursue engineering have had to go off island to do so, and not enough have been coming back to meet local demand.

"It could be months or even years to fill an open civil engineering position due to the lack of available and experienced engineers," said Agapito "Pete" Diaz, president of the Society of American Military Engineers Guam Post.

In 2009, former University of Guam President Robert A. Underwood expressed his vision for growing UOG's pre-engineering program, in which students take two years of courses at UOG in preparation for transferring to an ABET-accredited school elsewhere to finish their degree, into a four-year accredited engineering degree program to help meet the growing demand. This fall, that vision will come to fruition.

FOUR-YEAR PROGRAM ANSWERS DEMAND

UOG's School of Engineering is poised to begin offering a four-year Bachelor of Science in Civil-Engineering program next semester.

"Our School of Engineering is the only engineering program in the Western Pacific, and we are proud that students can now not only start, but finish, a first-class engineering program close to home," said UOG President Thomas W. Krise.

The demand for a local engineering program is not only driven by employers, but by students, who are increasingly showing interest in studying engineering.

"Initially, I only planned on finishing the pre-engineering program here at UOG, and
 I was set in going to the University of Iowa

after I completed all the required coursework in the two-year program," said Nilo Espinoza, a UOG School of Engineering student. "But when I heard about the four-year program being drafted, I made plans to stay at UOG. ... It's cheaper to complete my degree here, and I'm closer to my family."

The School of Engineering has had an almost 20% increase in enrollment over the course of the fall 2018 semester, said Shahram Khosrowpanah, dean of the School of Engineering. As of December, the program has 159 declared pre-engineering majors.

The school has six full-time and one part-time faculty with expertise in each of the basic civil and environmental engineering fields.

LOCAL JOB OPPORTUNITIES

Graduates of the program will not be at a loss for work.

"Civil engineers are highly sought after in Guam with many projects involving infrastructure and systems in the public, private, and military sectors, including roads, buildings, airports, bridges, and systems for stormwater, water, and wastewater," Diaz said.

Potential employers include construction and consulting companies, municipalities, and Government of Guam agencies like the Environmental Protection Agency, Department of Public Works, Guam Power Authority, and Guam Waterworks Authority.

The first two students to earn a Bachelor of Science in Civil-Engineering from the University of Guam are set to graduate in 2020.

NEW FACILITY UNDERWAY

The school will operate in a new 16,000-square-foot building located next to the Agriculture and Life Sciences building on campus. The \$5.4 million structure is being constructed by Bascon Corp., with completion expected in February 2020. It will include three classrooms; hydraulics, soil and structure, and environmental engineering laboratories; a computer lab; and faculty office space.

For those interested in pursuing a four-year civil engineering degree at the University of Guam, contact Dean Shahram Khosrowpanah at 735-2225 or khosrow@triton.uog.edu.



Proposed rendering for the School of Engineering building. Completion of construction is expected in 2020.

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