



## SCHOOLS AND COLLEGES

### COLLEGE OF NATURAL & APPLIED SCIENCES

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#### ABOUT

The College of Natural & Applied Sciences (CNAS) was created in 2003 by combining the former College of Agriculture & Life Sciences with the Mathematical Sciences, Natural Sciences, & Pre-professional Programs from the former College of Arts & Sciences and the Military Science Program from the former College of Business & Public Administration.

CNAS administers courses in military science and agriculture as part of the federal land grant mandate.

#### ACADEMIC MISSION

The mission of the College of Natural & Applied Sciences is to discover and share science-based knowledge that improves quality of life and learning in Guam and the Western Pacific. The college carries out the University's land-grant mission via instruction, research, outreach/extension, and service. All four endeavors identify and respond to the needs of the multicultural communities of our islands and beyond. Under this mission, the college strives to:

- deliver quality science programs that are relevant to local community, nationally competitive, and recognized globally;
- graduate students skilled in problem-solving, critical thinking, communications, and lifelong-learning for successful careers;
- provide a nurturing multicultural environment for student and faculty success;
- foster a culture of partnership with communities in recognizing and responding to local and regional concerns; and
- promote responsible and practical application of knowledge to our island community and Pacific region.

#### VISION

As the home of the U.S. Department of Agriculture landgrant programs, the College of Natural & Applied Sciences fosters creativity in research, innovation in teaching, and leadership in community engagement to address community needs. CNAS strives to be the college of first choice for science-based education, research, and community outreach.

#### DEGREES

#### DEGREE PROGRAMS

#### BACHELOR'S DEGREES

- **Agriculture & Life Sciences**
  - Agriculture & Natural Resource Science
  - Tropical Agriculture Production
  - Human Nutrition & Food Sciences
  - Child & Family Life Sciences
- **Biology**
  - Integrative Biology
  - Bio-Medical
  - Applied Biology
- **Chemistry**
  - Chemistry
  - Pre-Pharmacy
  - Chemistry-Biology Dual Degree
  - Chemistry Teaching Emphasis
- **Computer Science**
- **Mathematics**

## MINORS

- [Agriculture](#)
  - Crop & Environmental Protection Science
  - Farm & Natural Resources Management
  - Food Science
  - Nutrition
  - Tropical Horticulture
- [Biology](#)
- [Chemistry](#)
- [Computer Science](#)
- [Mathematics](#)
- [Military Science](#) (Reserve Officer Training Corps)

## MASTER'S DEGREES

- [Master of Science in Biology](#)
- [Master of Science in Environmental Science](#)
- [Master of Science in Sustainable Agriculture, Food, and Natural Resources](#)

## SECONDARY EDUCATION OPTION SPECIALIZATIONS

- [General Science](#)
- [Mathematics](#)

## PRE-PROFESSIONAL TRACKS

- [Pre-Medical](#)
- [Pre-Optometry](#)
- [Pre-Dental](#)
- [Pre-Veterinary](#)
- [Pre-Pharmacy](#)

## ADMISSION

## ADMISSION AND OTHER PROGRAM REQUIREMENTS

A student planning to enroll in the College of Natural & Applied Sciences should be familiar with the general requirements and procedures for admission to the University (see Academic Rules and Regulations). Every student should obtain an academic advisor to assist

them in learning and complying with these requirements. Refer to individual program description for specific requirements.

## DEVELOPMENTAL COURSES

Developmental Mathematics (MA085a-b or MA089) The Fundamentals of Mathematics course is designed to provide the background necessary for advancement in mathematics and success in all disciplines. Placement into this course is determined by the Mathematics Placement Test. For information and questions, please contact: [uogaccuplacer.mpt@gmail.com](mailto:uogaccuplacer.mpt@gmail.com).

*Note: Placement in Developmental Mathematics is determined by scores on the Mathematics Placement Test. All students must take the test before enrolling in their first mathematics class at UOG. Students placed into MA085a-b or MA-089 or MA-110/MA-151 should seek appropriate advisement when choosing other courses.*

## ADVISEMENT & DECLARATION

See the [Academic Advisement](#) section.

## STUDENT ORGANIZATIONS

Students have opportunities for involvement in a wide variety of organizations sponsored by the academic disciplines within the College of Natural & Applied Sciences. Clubs associated with the College include:

Student Organization	Faculty Advisors
UOG Agriculture & Life Sciences Club	Mari Marutani, Tanisha Aflague
UOG Biological Sciences Club	Daniel Lindstrom, Katharine Lofdahl
UOG Chemistry Club	Tedros Bezabeh, Maika Vuki
Engineering, Mathematics, Computer Science Club (EMC <sup>2</sup> )	Yoshifumi Takenouchi, Jaeyong Choi, Marchell Herreros, Robert Babac
UOG Predental Student Association	Michael Orr

Student Organization	Faculty Advisors
UOG Premedical Chapter: American Medical Student Association (AMSA)	Laura Biggs, Tedros Bezabeh
Society for Advancement for Chicanos and Native Americans in Science (SACNAS)	Austin Shelton, Cheryl Sanguenza
Student Tritons Alliance of ROTC (STAR)	Thomas Vu
Marine Opportunities/Nature Association (MO'NA)	Daniel Lindstrom, Michael Orr
UOG Green Army	Austin Shelton

