**NASA GRANT - BUTTE COLLEGE - STUDENT APPLICATION FORM 2017**

**WHAT IS IT?** [**https://casgcmcri.org/**](https://casgcmcri.org/)

NASA California Space Grant Consortium Community College. This is an opportunity for students to:

* Learn about low-cost, programmable microcomputers (Arduino, <https://www.arduino.cc/> )
* Develop and run a project based on your interests, using Arduino
* Visit a NASA center and get a tour, seminars, and career counseling with researchers
* Open the door to internships opportunities at NASA

**WHAT YOU GET**

This year we will be providing $600/STUDENT scholarships (for US citizens only) and a Sparkfun Mini-Inventors kits (<https://learn.sparkfun.com/tutorials/sik-experiment-guide-for-arduino---v32> or similar) to each student, followed by a dollar allowance for each student team so that they can buy only what they need~~.~~

**HOW IS IT ORGANIZED?**

Students will be put into teams of 3-4, selected by the Project Advisor, Prof. Francesco Madaro.

10 students will be selected before spring break. There will be weekly one-hour mandatory workshops in which we learn to work with Arduino, from the simplest to more advanced projects.

Approx. 4 weeks before finals week, Teams will select the projects they are most interested in. Teams will design the project and utilize their Arduino hardware.

The final project will be built in June and July and presented at NASA Ames first week of August.

Students have to continuously communicate with Prof. Francesco Madaro and complete the required work.

**DO WE GET TO VISIT NASA? YES!**

Students will have the opportunity to visit NASA Ames for a one-day tour. The tour will take place in early August. Your team will present your project through a report, a poster, and a multimedia presentation.

**WHAT IS IT EXPECTED FROM YOU?** A SERIOUS COMMITMENT TO:

* WORKING WITH YOUR GROUP REGULARLY
* KEEP IN CLOSE CONTACT WITH YOUR ADVISOR AND INFORM HIM ABOUT THE STATUS OF THE PROJECT AS REQUIRED
* MAKE A TIMELINE AND WORK WITHIN THE SCHEDULE AND COMPLETE THE PROJECT BY THE FIRST WEEK IN AUGUST
* ATTEND THE SEMINARS HOSTED BY Prof. Francesco Madaro
* DO NOT DROP UNLESS, DUE A SERIOUS OR COMPELLING REASON, IT BECOMES IMPOSSIBLE TO CONTINUE THE PROJECT. DROPPING AT ANY TIME BEFORE THE PRESENTATION OF THE WORK IN AUGUST WILL MAKE THE STUDENT NOT ELIGIBLE FOR THE SCHOLARSHIP.
* Commitment: 2-3 HOURS/week from first week of March until finals week. AT LEAST 10 HOURS/WEEK OR as needed in June and July in order to complete the project to present at NASA Ames on the first week of August.
* FOLLOW ALL THE RULES GIVEN BY THE ADVISER. The adviser reserve the right to drop any student at any time IF THEY DO NOT MEET THE EXPECTATIONS. The scholarship will be distributed after the August visit to NASA Ames. Only students who have successfully followed all the requirements and respected the rules set by the adviser will receive the scholarship.
* USE OF FACILITIES AND RESOURCES FROM BUTTE COLLEGE WILL BE ORGANIZED IN COLLABORATION WITH THE ADVISER ONCE THE GROUPS ARE MADE.
* GROUPS MUST FOLLOW ALL DIRECTIONS GIVEN TO USE RESOURCES AND FACILITIES OF BUTTE COLLEGE THROUGHOUT THE DEVELOPMENT OF THE PROJECT UNTIL COMPLETION.

**REQUIREMENTS**

* US CITIZENSHIP (non-US citizens are not eligible for scholarship).
* A STRONG COPMMITTMENT TO COMPLETE THE PROJECT AND WORK PROACTIVELY IN A GROUP OF 3-4 STUDENTS CHOOSEN BY THE ADVISORS
* **Application form (this page)**

Interested? For more information contact:

* Prof. Francesco Madaro madarofr@butte.edu (OFFICE MC 153) or

**SUBMIT THIS APPLICATION IN PAPER to Dr. Francesco Madaro by Wednesday, March 8st.**

**Download the application, type and print. No handwriting.**

**You must hand deliver the application to Dr. Francesco Madaro. Office hours (MC 153): Monday, Tuesday, Wednesday 12:00-1:00pm, Friday 11:00-1:00 pm.**

**Wednesday, March 8th I will be accepting application 3:00-6:00 in LRC 116.**

**Please notice that the selection process might require an interview with the Project Adviser.**

**ALL FIELD REQUIRED**

|  |
| --- |
| LAST NAME, FIRST NAME (ALL CAPITAL) |
| EMAIL (BUTTE EMAIL, to be checked regularly):  |
| PHONE NUMBER: |
| EMERGENCY CONTACT NAME:EMERGENCY CONTACT PHONE NUMBEREMERGENCY CONTACT EMAIL:EMERGENCY CONTACT RELATION TO APPLICANT: |
| US citizen YES/NO |
| WHEN DO YOU PLAN TO TRANSFER to University?WHICH UNIVERSITY?WHAT MAJOR? |
| COURSES TAKEN IN SPRING 2017 (COURSE LABEL)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |

 |
| WRITE A STATEMENT OF INTEREST IN THE PROJECT (What is your motivation, how would you make time for the project in your schedule, what you want to get from the project? etc…) |
| AVAILABLE FOR THE NASA FIELD TRIP IN EARLY AUGUST YES/NO: |
| BUTTE COLLEGE INSTRUCTOR REFERENCE: (THE BUTTE COLLEGE INSTRUCTOR RECOMMENDS YOU TO JOIN THE NASA SPONSORED PROJECT BASED ON YOUR PROVEN COMMITMENT TO BE A SUCCESFULL STUDENT).REFERENCE CONTACT INFORMATIONNAME:PHONE NUMBEREMAIL |

I UNDERSTAND THAT THE ADVISOR WILL EVALUATE MY CONDUCT AND PERFORMANCE REGULARLY THROUGHOUT THE PROJECT AND CAN CONSIDER THE OPTION OF DROPPING STUDENTS FROM IT.

Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Received by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ DATE\_\_\_\_\_\_\_\_\_\_\_\_\_\_