

## FOUR-YEAR UNIVERSITY CONTACTS

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## CC-STARS!

## (COMMUNITY COLLEGE –

## STEM TRAINING AND

## RETENTION OF

## STUDENTS!)

## PROGRAM

## ANNOUNCEMENT

Follow OSGC on:





## CC-STARS! (COMMUNITY COLLEGE – STEM TRAINING AND RETENTION OF STUDENTS)

The CC-STARS! (Community College – STEM Training and Retention of Students!) is a new, creative, and innovative program to encourage and increase the number of Community College and Technical School (CC-TS) students to engage in NASA-oriented Science, Technology, Engineering, and Mathematics (STEM) education and skills. The OSGC is partnering with 4 Ohio community colleges and 1 technical school, and 7 four-year universities to achieve these goals.

### PROGRAM DESCRIPTION

CC-STARS! is focused on the following three programs:

#### Scholarship Program

The CC-STARS! Scholarship Program is directed towards Community College and Technical School (CC-TS) students (who are U. S. Citizens) working toward an Associate Degree in a Science, Technology, Engineering, or Mathematics (STEM-) related discipline, or have the intention to continue for a 4-year degree, at one of the participating institutions.



#### Scholarship - Year 1 - \$2,500

Selected students will work on an introductory research project with a faculty mentor throughout the 2014-2015 academic school year.

#### Scholarship - Year 2 - \$2,500

At the conclusion of the research, students will be invited to showcase their research with a poster or technical presentation at a statewide symposium tentatively scheduled to be held at the Ohio Aerospace Institute in Cleveland, Ohio (date to be announced). Faculty mentors are also invited to attend.

Depending on the student's research progress and availability, the following options are available for the final year of the scholarship award. Students will:

- 1) Participate in a summer internship at either NASA Glenn Research Center, Wright-Patterson Air Force Base, or with industry;
- 2) Continue current research at a participating community college or technical school;
- 3) Receive a "Bridge" scholarship to transition from a community college to a participating 4-year university to continue current research with the community college or technical school faculty mentor or the 4-year university faculty mentor.

The goal is to support 40 students (females, underrepresented minorities, and/or persons with disabilities are especially encouraged to apply) that will encourage STEM study and an accompanying research experience. It is hoped to award 8 scholarships at each of the following participating schools.

#### Eligible Community Colleges and Technical School:

- Cincinnati State Technical and Community College
- Cuyahoga Community College
- Lakeland Community College
- Lorain County Community College
- Sinclair Community College

#### Eligible Four-Year Universities:

- Central State University
- Cleveland State University
- The University of Akron
- University of Cincinnati
- University of Dayton
- The University of Toledo
- Wright State University

#### STEM-related disciplines include:

- Aviation Technology
- Biology
- Chemistry
- Construction Engineering Technology
- Dietetic Technology
- Earth Science
- Electrical/Electronic Engineering Technology
- Engineering Technology
- Environmental Health and Safety Technology
- Geography
- Health Information Management
- Industrial Technology
- Information Technology
- Integrated Systems Engineering Technology
- Manufacturing/Industrial Engineering Technology
- Manufacturing Technology
- Mathematics
- Mechanical Engineering Technology
- Nuclear Medicine
- Physics

Interested students should submit a completed application package that includes a personal objective statement discussing educational and career goals, benefits derived from the scholarship, 1 letter of recommendation, transcripts, and a proposed research project.

Applications are to be submitted to the individual listed on the reverse side by **Friday, December 5**.

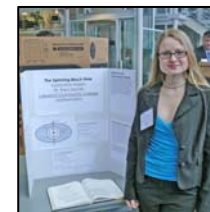
#### Hands-on Team Programs

**Unmanned Aircraft Systems (UAS) Program** — Develop, build, and fly an Unmanned Aircraft System (UAS) culminating in an annual competition with other schools in the program. Programs can be modeled and expanded on a program currently in existence at [Lorain County Community College](#) who will lead this program.



**Astronomy and Space Program** — Focuses on Astronomy and Space which can be modeled and expanded on the successful Astronomical Research Program (ARP) currently in existence at [Lakeland Community College](#) who will lead this program. The ARP provides meaningful hands-on research opportunities for students which contribute to current NASA Missions.

At the conclusion of the projects, students and faculty members will be invited to showcase their program with a live display, poster, or technical presentation at a statewide symposium tentatively scheduled to be held at the Ohio Aerospace Institute in Cleveland, Ohio (date to be announced).



#### Bridge Mentoring Program

The Bridge Mentoring Program will encourage and mentor students who will be transitioning from the community college or technical school two-year Associate Degree Program to a four-year Engineering/Technology Bachelor's Degree.

Following are some examples of possible funded programs to assist students adjust to a new, and often quite different, learning environment:

- **Welcoming STEM Students** through sponsored orientation sessions and gatherings at the beginning of each semester. This is particularly important, as first year retention is critical to improving the numbers of underrepresented students.
- **Providing students with descriptive, written information** on policies and procedures; faculty members including names, location, and specialty areas (teaching and/or research); and program offerings.
- **Providing training** to sensitize support staff to goals for creating an environment that welcomes and affirms each STEM Scholar.
- **Providing ongoing support to STEM students** through the academic year, including one-on-one mentoring with a faculty member as well as career exploration opportunities.



#### Ohio Space Grant Consortium

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Cleveland, OH 44142

(440) 962-3032 or (800) 828-6742 (OSGC)

Visit the OSGC at: <http://www.osgc.org/>