

## Do I Qualify?

Scholarships are available for incoming freshmen, transfer students, and students currently enrolled in computer science, mathematics, or physics programs.

Incoming freshmen applying for scholarships must:

- Be a citizen or a permanent resident of the US;
- Have applied or be accepted to one of computer science, mathematics, or physics programs at CCSU;
- Have an SAT score (reading+math) of at least 1100;
- Have a high school GPA of at least 3.0;
- Provide at least three letters of recommendation from current or past instructors;
- Demonstrate a financial need per FAFSA.

Complete requirements for all categories of students are available at <http://www.artsci.ccsu.edu/sstem>

## Application Checklist

For incoming freshmen applying for scholarships:

- Take SAT soon enough to be considered for admission to CCSU;
- Complete Application to CCSU by 04/01/2014. Information is available at <http://www.ccsu.edu/Admission>;
- Complete FAFSA application by 04/01/2014. Information is available at <http://www.ccsu.edu/FinAid>;
- Complete CSMP Scholarship application by 04/01/2014. This application and additional information are available at <http://www.artsci.ccsu.edu/sstem>;
- Request at least three letters of recommendation, which are due by 04/01/2012. Request form is available at <http://www.artsci.ccsu.edu/sstem>.

**Underrepresented minorities and female students are very strongly encouraged to apply**

## Contact Us

The most up to date and complete information about the CSMP scholarship program is available at our web site: <http://www.artsci.ccsu.edu/sstem>



## Central Connecticut State University

### Computer Science, Mathematics, and Physics (CSMP) Scholarship Program

<http://www.artsci.ccsu.edu/sstem>

Financial support for this scholarship program is provided by the National Science Foundation Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM) program under Award No. 0630953. Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.



## Scholarships in Computer Science, Mathematics, and Physics

Central Connecticut State University



In the Fall of 2014, Central Connecticut State University will continue offering scholarships funded through the National Science Foundation program Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM).

These scholarships are established to give academically talented but financially needy students the opportunity to succeed in completing an undergraduate degree in Computer Science, Mathematics, or Physics (CSMP). In addition to the financial aid, academic, and research opportunities, students will receive a wide variety of additional benefits, which include mentoring, tutoring, social events, internships, and assistance with job placement.

<http://www.artsci.ccsu.edu/sstem>



## Computer Science

The Department of Computer Science offers an honors and an alternative program of study leading to a bachelor of science degree in Computer Science. The honors program is fully accredited by the Computing Accreditation Commission of ABET; it was one of the first programs in New England to receive such an accreditation. Both programs provide research-rich opportunities for students to pursue careers in Computer Systems Analysis, Software Engineering (applications and systems), and Systems Administration (database and networks), all of which are among the fastest-growing occupations for college-educated workers, according to the U.S. Bureau of Labor Statistics. Our graduates often have internships and are subsequently employed by companies whose representatives serve on the department advisory board, which include Pratt and Whitney, Computer Sciences Corp., and many major insurance and investment companies with offices in Hartford.

The honors program offered by the Department of Computer Science at CCSU is specifically designed to prepare students for graduate studies. Our graduates are enrolled and had already earned Masters and Doctoral degrees from CCSU, University of Connecticut, Yale University, Carnegie Mellon University, Columbia University, Rensselaer Polytechnic Institute, University of Massachusetts, and others. Our students have a wide range of opportunities to join faculty in their research projects sponsored by major corporations and funding agencies, such as IBM and NSF, which often lead to publications in regional, national and international conferences, professional journals and books. Some of the recent research projects undertaken jointly by computer science faculty and students include such areas as mobile and pervasive computing, emerging web services, ambient intelligence, digital forensics, and robotics.



## Mathematics

The Department of Mathematical Sciences at Central Connecticut State University consists of 29 full time faculty members with expertise in mathematics, mathematics education, actuarial science, statistics, data mining, and mathematical physics. We offer bachelor's degrees in mathematics and in mathematics with specializations in statistics or actuarial sciences as well as degrees that prepare students to teach mathematics in elementary, middle, and secondary schools. The Department offers ample opportunities of research for undergraduates. Our faculty are ready to offer to

interested students research projects in different areas of Mathematics including, but not limited to Algebra, Geometry, Analysis, Graph Theory, Topology, Data Analysis, Data Mining, Actuarial Science, Relativity, and Quantum Theory. The atmosphere of research in our department is conducive to strong interaction between faculty members and undergraduate students. We organize Mathematics Colloquium and Seminar where faculty, students, and invited speakers present their research. These events serve as a weekly gathering of faculty and students from CCSU and are usually followed by informal discussion and conversations on different topics. After graduation, our students either continue their education at graduate level or, depending on their major, they find jobs as teachers or work, in the insurance industry, in pharmaceutical research, or in other areas of the private sector where their quantitative skills are put to use.



## Physics

The Department of Physics and Earth Sciences offers two undergraduate Bachelors of Science degrees in Physics, one for students who do not intend to teach at the secondary school level, and one certifiable for secondary school teaching. For students wishing to pursue graduate study at CCSU following completion of their undergraduate degree the department also offers a Master of Science degree in Natural Sciences/ Physics track. The department provides a stimulating and supportive atmosphere where students in small classes receive personal attention from faculty, often conduct research with faculty mentors, and frequently engage in internship opportunities with local industries. Past undergraduate-faculty research on projects supported by NASA and The National Science Foundation has led to student publications and presentations at regional meetings such as the American Physical Society New England Section meeting, and at international conferences such as the International Laser Radar Conference. Many courses are also offered during evening hours to accommodate student work/internship schedules. Physics majors either proceed to graduate study and/or enjoy career opportunities in governmental agencies such as NASA and the National Oceanic and Atmospheric Administration, industries such as Pratt and Whitney and Coherent Laser, educational institutions, and engineering firms. Student research and internship projects include topics such as laser atmospheric studies for global warming, aircraft design, testing, and control, research and development of new materials, and sub-surface radar studies.



## Scholarship Benefits

- Scholarship of up to \$5,200 per year, up to four years
- Individual mentoring and advising by dedicated faculty
- Specialized tutoring
- Peer mentoring
- Participation in research projects
- Field trips
- Guest lectures by leaders of industry and research
- Internships with leading employers
- Career opportunities in high demand fields
- Assistance with job placement upon graduation



## Frequently Asked Questions

### **How do I apply for a CSMP scholarship and what are the eligibility criteria?**

Complete application information is available at <http://www.artsci.ccsu.edu/sstem>

### **How much funding can I receive through the CSMP scholarship program?**

You can receive up to \$5,400 per year, for up to four years. Specific scholarship amount will be determined by the amount of federal financial aid for which you qualify. If you enter this scholarship program in your freshman year and qualify for the full amount (\$5,200) every year while meeting scholarship eligibility requirements, it is possible that you will receive nearly \$21,000 over four years.

### **Can this scholarship be renewed?**

Yes, the scholarship can be renewed. Performance and eligibility of all scholars will be reviewed every semester. Upon a successful review, scholarships will be renewed for the next semester for a total of up to four years.

### **If I receive a CSMP scholarship, where this money can be applied to?**

You can use the scholarship funds to pay tuition, buy books, pay for room and board, and other educational expenses.

### **Can I receive other scholarships and financial aid if I receive a CSMP scholarship?**

Yes. Receipt of this scholarship does not prevent you from obtaining other scholarships offered by CCSU. However, there is a possibility that loans and other federal funding you receive may be reduced.