



**At a Glance: Reasons to Study in CIMS**

- Degrees in:
  - Mathematics
  - Computer Science
  - Information Technology
- Campus Life:
  - New dorms
  - 15 minutes from Atlanta
- New Math/Engineering Dual Degree with Georgia Tech!
- WebBSIT program
- Fayette Location Now Available
- CNET certificate and AAS

**Admission Deadline for Fall: July 15th**

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**From the Dean...**

In the College of Information and Mathematical Sciences (CIMS), things are moving! During the past year, the university and the college have undergone some significant transformations. While we maintain our college's focus on being an innovative force in technology, mathematics, and research, we have undertaken some exciting new program development projects designed to engage our students in interesting, career-enhancing, and fun studies in Computer Science, Mathematics, Information Technology, and Computer Networking.

Clayton State University is fully accredited by the Southern Association of Colleges and Schools (SACS) and is one of the units in the University System of Georgia. We offer nearly 40 undergraduate degrees, 6 graduate degrees, and we have a population of nearly 6,500 students. We offer small class sizes, a new state-of-the-art residence hall, a new Student Activity Center complete with brand new fitness equipment and gyms. Clayton State is located in a 163-acre beautiful park-like setting only 15 miles south of Atlanta.

CIMS offers the following degrees:

- Master of Arts in Teaching with a Major in Mathematics (NEW in Fall 2009)
- Bachelor of Science in Mathematics,
- Bachelor of Science in Computer Science (NEW in Fall 2009),
- Bachelor of Information Technology,
- Bachelor of Science in Information Technology (Online WebBSIT program),
- Associate of Applied Science in Information Technology and Computer Networking,

The new B.S. in Computer Science has an exciting emphasis in computer game design and development. For those who are interested in building and configuring network infrastructures, we offer certificate and Associate programs in Computer Networking. Students in the certificate program are eligible to have their education funded through the Hope Grant program; the certificate program provides an excellent entry into technology as well as launching a student toward our AASIT or BIT degree programs.

Also new for Fall 2009 are two new options for engineering studies at Clayton State. The Regents' Engineering Transfer Program (RETP) is a program where a student studies two years at Clayton State and then transfer to Georgia Institute of Technology into the engineering program of her/his choice. Another option is a new Dual Degree program where a student studies three years at Clayton State, transfers into an engineering program at Georgia Tech and upon completion of that program, she/he receives TWO degrees: A bachelor's degree from Clayton State and a bachelor's degree in engineering from Georgia Tech.

Studying in CIMS at Clayton State will provide you with an opportunity to work with a dedicated, highly qualified faculty who are excited about being engaged with students. We have several student organizations that promote social as well as educational interaction. We have fantastic facilities with state of the art classrooms, networking, multimedia, and gaming labs.

Visit our website at <http://cims.clayton.edu/cimsinfo> and please feel free to come to campus for a personal tour. You will see why we are excited about our programs here in CIMS at Clayton State.

I sincerely hope you will take a serious look at Clayton State as you plan your college career. Please feel free to contact me if you wish additional information or just want to talk to me in person about our programs.

Dr. Lila F. Roberts, Dean

College of Information and Mathematical Sciences  
Clayton State University

# College of Information & Mathematical Sciences

Clayton State University

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## Computer Science Minor

- Earn valuable computing skills that employers are looking for!
- 18-hour minor
- Flexibility in upper-division courses
- Begins this Fall!

## Computer Science Minor Approved

The University System of Georgia Board of Regents recently approved Clayton State University to offer a Bachelor of Science in Computer Science (BSCS). This May, a minor was approved which will enable students with strong mathematics backgrounds to explore—and get credit for—courses in Computer Science.

Why consider a minor? Computer science skills are in high demand! For example, the median annual earnings for computer and information scientists in 2006 was \$93,950 (according to the Bureau of Labor and Statistics); 2009 graduates of baccalaureate Computer Science programs can expect average job offers of \$60,500. It is clear that business and industry today are seeking graduates who not only have expertise in their area, but who have also demonstrated the unique problem solving skills associated with a strong background in computer science. For many disciplines, computing is an essential tool used to explore and expand knowledge. For example, the medical profession implements digital imaging for diagnostics and remote surgery. Music and movie production rely on information technology. Electronic commerce is a viable business model. Bio-informatics integrates biology, computer science, and information technology. Computing makes possible the visualization of electronic social networks and social network analysis. In addition, recent legislation requires securing vital computing infrastructure to protect resources and data. A minor in computer science helps to prepare students for careers in business, the sciences, healthcare, social services, the arts, government, education, and academia.

The minor consists of a total of 18 hours and is designed to expose students to general computing concepts while providing flexibility in what a student studies. To complete the minor, a student will be required to complete CSCI 1301 (Computer Science I), CSCI 1302 (Computer Science II), CSCI 2302 (Data Structures and Algorithms) and 9 hours of upper-division CSCI courses.

Students who are interested in completing a minor in Computer Science should contact Mr. Joseph Bowler (JosephBowler@clayton.edu) or visit our website at <http://cims.clayton.edu/cimsinfo/>.

## Awards Ceremonies

The end of the semester marked the time for both the Annual Alumni and CIMS Awards Dinners. This year's Alumni dinner was held in the new Student Activities Center, and recognized CSU graduates who have made significant contributions to their field. This year's Alumni of the Year for CIMS was Jeremy Brooks (see photo). After graduating, Mr. Brooks worked in a research company developing virtual environments to fight phobias and post-traumatic stress disorder. He is currently developing mobile augmented reality applications for medical visualization.

The CIMS Award Dinner was held in the James M. Baker University Center. It was an opportunity for faculty, staff and students to talk, relax, and in some cases, say farewell to soon-to-be CIMS graduates.

Within the Department of Information Technology, Elizabeth Wnuk and Eric Cheung won the Experiential Learning Student of the Year at the Associate and Bachelor levels, respectively; these awards are given to students who, in addition to performing beyond expectations in a professional environment, have made an impact within the community. The department also recognized Outstanding Scholars for their high GPA. This year's winners include Zoila Angulo (AASIT) and Quoc Vo (BSIT).

The Department of Mathematics presented the Billy R. Nail award to Nicholas Wojcik. The award is named after Dr. Billy R. Nail—a former Dean and Professor of Mathematics—and recognizes a sophomore student who has excelled in lower-division mathematics courses taken by students in mathematics-intensive majors. There were also four students recognized as Outstanding Rising Senior Mathematics Majors, which included Kristi Clark, Gregory Griffin, Christy Revenaugh and Nicholas Wojcik.

At the college level, three students were nominated for the Catherine Cowan Aust Award: Miles Hatfield, Vanessa Quiroz and Quoc Vo. The award is in recognition of Dr. Aust—a former Dean and current Professor of Mathematics—and represents the best all-around senior CIMS major. This year's winner was Miles Hatfield, a senior (and now recent graduate) from the Department of Information Technology.



## CIMS Contact Information

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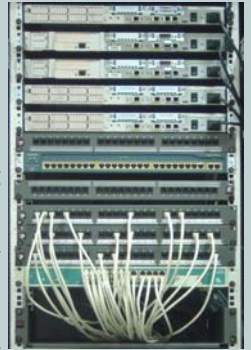
## CNET

- Funded by the Hope Grant
- 54-hour certificate
- Design and build your own networks
- Work with the latest networking technology

## New CNET Curriculum

Are you interested in studying technology but don't have the funds to go to school? Have you ever wanted to build and secure your own networks? If so, a certificate in Computer Networking (CNET) will likely interest to you! The CNET curriculum, which is funded by the Hope Grant, has recently changed. It now integrates several Information Technology courses which will enable students to enter into the Associates of Applied Science (AAS) in either Information Technology or Computer Networking more easily than the old curriculum.

CNET is a program of study designed to expose students to a solid technology curriculum as well as to provide an environment where students can understand and experiment with the latest networking hardware. Graduates gain the necessary skills to obtain entry-level I.T. positions. In addition, because the program contains a significant amount of general education (such as English and Mathematics), the program serves as an excellent entry point for those who wish to transfer into an Associates or Bachelors degree in Information Technology - which can be funded by the Hope Scholarship.



The Hope Grant differs from the Hope Scholarship in that it funds the matriculation associated with certificate programs (such as CNET) without regard to previous degrees or a student's GPA. This opens up several possible paths of study. For example, those without an undergraduate degree can start in the CNET program to establish their GPA and then transfer into the Hope Scholarship provided they meet the 3.0 GPA requirement. For those who are already have a degree and haven't used the Hope Scholarship to fund it, the grant allows them to continue their education with minimal financial impact.

The program is headed by Dr. John Burningham, who will be joining the faculty of CIMS this Fall. "I look forward to moving the CNET lab over to CIMS and integrating the program with the I.T. department", says Burningham. Students who are interested in studying in any of the programs of CIMS should send an email to [cimsInfo@clayton.edu](mailto:cimsInfo@clayton.edu) or visit our website at <http://cims.clayton.edu/cimsinfo/>.

## About the University and College

Clayton State University is a four-year, comprehensive, accredited University, offering more than 30 undergraduate degrees and several Master Degrees. It is conveniently located 15 minutes south of Atlanta and resides on 163 acres.

Clayton State now offers on-campus living, which is an appealing option for both in-state and out-of-state students. The dorms are equipped with high-speed Internet connections (1000Mbps!), cable, a kitchen, laundry facilities, and much more.

CIMS was established in 1998 and is housed within the new Baker University Center—a state-of-the-art building that is equipped with high-speed networking, a variety of computing labs and modern classrooms. It currently employs approximately 30 faculty and offers the following:

Computer Science: As our newest degree which starts next Fall, CIMS offers a traditional Bachelor of Science in Computer Science that emphasizes computer gaming. Courses include computer graphics, architecture, operating systems, networks, game analysis, and human-computer interaction.

Mathematics: CIMS also offers a Bachelor of Science in Mathematics which includes courses in calculus, linear algebra, finite mathematics, statistics, as well as advanced studies in modern geometry, differential equations, numerical methods and graph theory. A minor is also available.

Information Technology: Our IT department offers a Bachelor of Information Technology, where students study the latest technology in networking, security, databases, and eCommerce. The

department offers several courses online, as well as both day and night.

Dual Degree Program with Georgia Tech: Students in this program take coursework in Mathematics for 3 years at CSU and then transfer to Georgia Tech to study engineering for 2 years. After completion at Tech, students receive a Math degree from Clayton State AND an Engineering degree from Georgia Tech.

WebBSIT: Clayton State is a member of the WebBSIT program — a consortium of five universities. The program offers IT core curriculum and all upper-division IT courses fully online. It is ideal for students who maintain full-time jobs, or those that live far away from campus.



Laker Hall was recently opened in Fall 2008.