



GRADUATE CERTIFICATES IN COMPUTING

- ✓ Completed [application](#) for admission to the UWG Graduate School
- ✓ Non-refundable \$30.00 application fee (one time only)
- ✓ 2.5 cumulative undergraduate GPA (4.0 scale)
- ✓ One official transcript from each college or university attended. If the applicant holds a masters degree or higher, please submit transcripts from institution(s) where graduate course work was completed and/or graduate degree was granted.
- ✓ Earned bachelors degree from an accredited institution (Applicants without an undergraduate degree in computer science or equivalent experience, as determined by the Department of Computer Science, must complete CS 5201 and CS 5202 as prerequisite courses in the program, applicants must understand that no hours from these courses will apply toward the certificate)
- ✓ Satisfactory [certificate of immunization](#) (if you are a new student)
- ✓ [Academic Honor Form](#)

When to Enroll?

Enrollment dates may differ based on the academic and professional background of each student. If you are interested in one of the Graduate Certificates in Computing programs and wish to know the best semester for you to start your studies, please contact Dr. Adel Abunawass (adel@westga.edu or 678-839-6652).

IMPORTANT: Should a student decide to apply to the MS in Applied Computer Science program after successfully completing the certificate program, fifteen (15) graduate semester hours may be applied toward the MS degree within six (6) years of completion and award of the certificate. **However, students must apply and be accepted to the MS in Applied Computer Science program before completion of their ninth (9) graduate semester hour toward the certificate.** If CS 5201 and CS 5202 are taken as prerequisites to the certificate program, only three (3) of those hours may be applied to the MS degree.

Students deciding to apply for admission to the MS in Applied Computer Science program after completing the graduate certificate program must take the Graduate Record Examination (GRE) and meet all other admission requirements for the MS in Applied Computer Science program (please see www.westga.edu/~gradsch/forms/printable/APPCS.pdf for more information).

Please send all documents, except the [Certificate of Immunization](#) (see form for instructions), directly to the **Graduate School, University of West Georgia, Carrollton, GA 30118-4160**. Please allow 7-10 business days for processing your application. CHECK YOUR APPLICATION STATUS ONLINE by clicking on [HOW TO APPLY](#) (item #9) on the Graduate School's web site.

IMPORTANT PHONE NUMBERS

Dept of Computer Science	678-839-6485		www.cs.westga.edu/
Graduate School	657-839-6419	678-838-5949 (FAX)	gradsch@westga.edu
Financial Aid	678-839-6421		www.westga.edu/finaid/
Registrar	678-839-6438		www.westga.edu/registrar/

INTERNATIONAL STUDENTS interested in applying for admission to a graduate certificate program in Computing need to submit a completed International Student Application Packet to the Graduate School by the following dates:

SPRING SEMESTER 2011	OCTOBER 5, 2010	FALL SEMESTER 2011	JUNE 6, 2011
SUMMER SEMESTER 2011	FEBRUARY 7, 2011	SPRING SEMESTER 2012	OCTOBER 3, 2011

DOMESTIC STUDENTS (US citizens) interested in applying for admission to a graduate certificate program in Computing need to submit a completed application packet to the Graduate School at least 20 days prior to the beginning of the semester you intend to enroll.

CLASSES BEGIN:

SPRING SEMESTER 2011	CLASSES BEGIN JANUARY 5, 2011
SUMMER SEMESTER 2011	CLASSES BEGIN MAY 16, 2011 (SESSION I), JUNE 6, 2011 (SESSIONS II & III), & JULY 1, 2011 (SESSION IV)
FALL SEMESTER 2011	CLASSES BEGIN AUGUST 12, 2011

Graduate Certificate in Human-Centered Computing

This certificate offers students the opportunity to gain knowledge and skills in the design and development human-centered computing systems. Through a focused program of study covering fundamentals, principles, and techniques involved in human/computer interaction and user interface design, students will develop an ability to apply HCI design principles and techniques in the analysis, design, and development of computing systems, as well as evaluate HCI factors and issues in existing systems.

REQUIRED COURSES

	<u>Hours</u>
CS 6281 Human/Computer Interaction I	3
CS 6282 Human/Computer Interaction II	3
Choose one of the following courses:	3
CS 6241 Software Development I	
CS 6251 Web Technologies I	
CS 6291 Interactive Media and Game Development I	
One additional CS-approved graduate elective	3
CS 6900 Capstone Project	3
TOTAL	15

Graduate Certificate in Software Development

This certificate offers students the opportunity to gain the knowledge and skills needed to pursue entry-level careers as software designers, developers, and systems analysts. Through a focused program of study covering fundamental principles and practices involved in software design and development, students will develop an ability to effectively analyze user requirements for a moderately sized software system and design, develop, and document a software system that addresses those requirements.

REQUIRED COURSES

	<u>Hours</u>
CS 6241 Software Development I	3
CS 6242 Software Development II	3
Choose one of the following courses:	3
CS 6251 Web Technologies I	
CS 6281 Human/Computer Interaction I	
CS 6311 Programming Languages I	
One additional CS-approved graduate elective	3
CS 6900 Capstone Project	3
TOTAL	15

Graduate Certificate in System and Network Administration

This certificate offers students the opportunity to gain the knowledge and skills needed to pursue entry-level careers in computer and network systems administration and support. Through a focused program of study covering the fundamentals of operating systems and networks; principles and practices of systems and network administration; and computer security, students will develop an ability to effectively analyze user requirements for a computing infrastructure and design, deploy, maintain, and document systems and networks that address those requirements.

REQUIRED COURSES

	<u>Hours</u>
CS 6261 System and Network Administration I	3
CS 6262 System and Network Administration II	3
Choose one of the following courses:	3
CS 6231 Database I	
CS 6251 Web Technologies I	
One additional CS-approved graduate elective	3
CS 6900 Capstone Project	3
TOTAL	15

Graduate Certificate in Web Technologies

This certificate offers students the opportunity to gain the knowledge and skills needed to pursue entry-level careers as webmasters and web developers. Through a focused program of study covering the fundamentals of the Internet and the World Wide Web; principles and applications of current web technologies; web design and software development methodologies; and an introduction to computer and network security issues related to web technologies and systems, students will develop an ability to effectively analyze user requirements for web-based software systems and design, develop, document, and support websites and web technologies that address those requirements.

REQUIRED COURSES

	<u>Hours</u>
CS 6251 Web Technologies I	3
CS 6252 Web Technologies II	3
Choose one of the following courses:	3
CS 6231 Databases I	
CS 6261 System and Network Administration I	
CS 6291 Interactive Media and Game Development I	
One additional CS-approved graduate elective	3
CS 6900 Capstone Project	3
TOTAL	15