

**M. Garner,  
V. Watson  
T. Rudchenko**  
*Kennesaw State University, Kennesaw, USA*

## **US HIGER EDUCATION: MATHEMATICS EDUCATION**

*Carnegie Classification of Institutions of Higher. Learning* Published by the Carnegie Foundation for the Advancement of Teaching (<http://www.carnegiefoundation.org/>): 4,464 institutions in the U.S. with a total enrollment of 20,727,660 students.

Basic classifications: Associate's colleges; Doctorate-granting universities; Master's colleges and universities; Baccalaureate colleges; Special focus institutions; Tribal colleges.

Doctorate-granting universities: RU/VH: Research universities with very high research activity. *108 total. In Georgia:* Emory University (private), University of Georgia (public), Georgia State University (public), Georgia Institute of Technology (public)

RU/H: Research universities with high research activity. *99 total. None in Georgia.*

DRU: Doctoral/research universities. *90 total. In Georgia:* Argosy University (private), Clark-Atlanta University (private), Georgia Southern University (public)

Master's colleges and universities - larger programs - *413 total. In Georgia* Public: Armstrong Atlantic State University; Augusta State University; Columbus State University; Georgia College and State University; Kennesaw State University; North Georgia College & State University; University of West Georgia; Valdosta State University/

Master's colleges and universities - larger programs. *413 total. In Georgia:* Private not-for-profit (Brenau University; Mercer University; Piedmont College); Private for-profit (DeVry University – Georgia; South University – Savannah; University of Phoenix – Atlanta Campus).

Master's colleges and universities. Medium programs. *185 total. In Georgia:* Albany State University; American InterContinental University; Shorter College – Professional Studies; Southern Polytechnic State University.

Master's colleges and universities . Smaller programs. *126 total. In Georgia:* Georgia Southwestern State University.

*Kennesaw State University.* Kennesaw State University (KSU) is the third-largest university in Georgia with more than 24,600 undergraduate and graduate students representing 132 countries.

Accredited by the Southern Association of Colleges and Schools (SACS), KSU offers 80 bachelor's, master's and doctorate degree programs including undergraduate degrees in education, health, business, the humanities, the arts, science and math. The university's graduate degree programs include nursing, business, information systems, conflict management, public administration, education and professional writing. KSU's expanding doctoral programs currently offer doctorates in education, business and nursing, as well as KSU's first Ph.D program in International Conflict Management. esenting 132 countries.

Kennesaw State University (KSU) is the third-largest university in Georgia with more than 24,600 undergraduate and graduate students representing 132 countries.

Accredited by the Southern Association of Colleges and Schools (SACS), KSU offers 80 bachelor's, master's and doctorate degree programs including undergraduate degrees in education, health, business, the humanities, the arts, science and math. The university's graduate degree programs include nursing, business, information systems, conflict management, public administration, education and professional writing. KSU's expanding doctoral programs currently offer doctorates in education, business and nursing, as well as KSU's first Ph.D program in International Conflict Management. esenting 132 countries.

All students must satisfy general education requirements and these usually constitute the first two years of study: English (2 courses), Social Issues (2 courses), World Literature (1 course), Math (2 courses), Arts (1 course), Science (2 courses), Political Science (1 course), History (2 courses), Economics (1 course), Health (1 course).

Students majoring in *mathematics:*

Calculus I and II as part of the general education requirements.

One course each in Computer Programming, Probability and Data Analysis, Introduction to Logic and Proofs, Linear Algebra, Numerical Methods, Differential Equations, Discrete Mathematics, Probability and Statistical Inference, Modern Algebra and Real Analysis.

An additional 5 higher level mathematics or statistics courses.

An additional 3 electives.

Students majoring in *mathematics education:*

Calculus I and II as part of the general education requirements.

One course each in Computer Programming, Probability and Data Analysis, Introduction to Logic and Proofs, Calculus III, Linear Algebra, Modern Algebra, and a choice of two more upper level mathematics or statistics courses.

Geometry, a mathematics history course, 3 mathematics courses designed for secondary mathematics teachers, and 8 education courses which include a semester of teaching in a secondary school under the supervision of an experienced teacher and a professor from KSU.

***The student can then take a national test to be certified to teach in the public schools.***

*Who teaches the courses?* Part time faculty or lecturers (18 credit hours or more of graduate mathematics). Full-time tenure track faculty members (Ph.D. in Mathematics or Mathematics Education or Statistics or related fields)

**Анотація. Гарнер М., Ватсон В., Рудченко Т. І. Вища освіта США.** Розглядається специфіка вищої освіти США. Акцент зроблено на процесі здобуття математичної освіти у державному університеті Кенессо..

**Ключові слова:** вища освіта, математична освіта в США.

**Аннотация. Гарнер М., Ватсон В., Рудченко Т. Высшее образование США.** Рассматривается специфика высшего образования США. Акцент сделан на процессе получения математического образования в государственном университете Кенессо.

**Ключевые слова:** высшее образование, математическое образование в США.

**Summary. Garner M., Watson V., Rudchenko T. US higher education: mathematics education.** *The specific of higher education of the USA is examined. An accent is done on the process of receipt of mathematical education in the state university of Kennesaw.*

**Keywords:** higher education, mathematical education in the USA.