21st Century Educator Preparation: How University System of Georgia’s Colleges of Education Prepare Teachers to use Technology

Dr. Angela Coleman
Assistant Vice Chancellor, Educator Preparation
University System of Georgia

August 6, 2013
Complete College Georgia

- Statewide effort to increase attainment of a high quality certificate or degree
  - Multiple partners including Technical College System of Georgia, Office of the Governor, Complete College America

- College completion is an imperative for a prosperous economic, civic and cultural future for Georgia

- Plan focuses on 5 main areas:
  - College and Career Readiness
  - Transformation of remediation
  - Shortening the time to degree
  - Restructuring delivery
  - Effective use of analytics, metrics, and data
USG Colleges of Education

USG Colleges of Education
• 22 Institutions have teacher education programs
• Must pass GACE Basic Skills examination
• Background check prior to in-school placement
• Secondary teacher candidates major in their chosen discipline

USG Educator Preparation Achievements
• Increased production of highly qualified teachers by 40% since 2005
• Increased access to program offerings in middle and south Georgia
• Dedicated partnership to align educator preparation with K-12 curriculum
Technology and Educator Preparation Overview

Recent Changes

• In 2013, the Professional Standards Commission (PSC) revised 505.3.01 rule to reflect the digital age
  • Includes increased expectations for teacher preparation programs to provide meaningful technology based experiences for pre-service teachers
    • Candidates must demonstrate satisfactory proficiency in computer and other technology applications and skills and …. In integrating technology into student learning
  • Requires educator preparation programs provide a pre-service teachers exposure to online teaching
    • Candidates shall be exposed to the specialized knowledge and skills necessary for effective teaching in a distance learning environment
Integrating Technology into the Classroom

Technology Requirements for Teacher Candidates
• Many USG Colleges of Education are using the GaDOE SLDS to help prepare students
  • Students use real scrubbed data to identify instructional interventions, lesson planning and differentiation

Virtual Instructor Endorsement
• Designed to prepare K-12 teachers to teach in virtual school environment
  • Candidates acquire pedagogical skills
  • Ability to design instruction using technology
• Graduate-level endorsement program, typically requires teacher to already be certified
  • Expect revision to PSC Rule 505.3.85 that will allow for this endorsement to be embedded into undergraduate teaching programs
Post-Secondary Virtual Course Offerings

- **eCore (electronic core-curriculum)**
  - Allows for USG students to complete first two years of college online
  - Courses transfer to any USG institution
  - Courses are offered by affiliate institutions within the USG and are fully accredited
  - [https://ecore.usg.edu/](https://ecore.usg.edu/)

- **Georgia On My Line**
  - Navigation tool Georgia’s 31 public institutions that offer online higher education programs
  - Can receive Associates, Bachelor’s, Master’s, and even a Ph.D. at a USG institution

- **Galileo: Georgia Library learning Online**
  - 150 databases which index approximately 70,000 periodicals and scholarly journals
  - Increase access to scholarly resources for all students

- **MOOCS: Massive Open Online Course**
  - Georgia is a national leader
  - Emerging work with significant research currently underway
System-wide and Campus-level Efforts

- Kennesaw State University is one exemplar of how USG Colleges of Education are embracing the use of technology for instructional purposes
- All Colleges of Education require teacher candidates to have exposure to online learning and training on using technology in the classroom
- Highlights include:
  - E-portfolio
  - Data Analytics/SLDS exposure and training
  - Students learn to develop lesson plans that fully incorporate technology to support student learning
Thank you!