

## Google Apps for Education Certified Trainer Cluster - 9 Credits

Google Apps for Education is quickly becoming an integral part of K-12 and Higher Education. The purpose of this cluster of courses is to help students become experts integrating Google Apps for Education within the curriculum and into educational environments. The courses will also prepare students and have them apply for the ultimate Google educator's goal - becoming a Google Certified Trainer.

EST 525 - Google Apps for Education Certified Trainer: Fundamentals

EST 526 - Google Apps for Education Certified Trainer: Curriculum Integration

EST 527 - The Impact of Mobile Devices and Cloud Based Systems in Education

### Program Information:

- 3 Courses for a total of 9 Credits
- A trimester schedule - there will be a fall, winter and spring session so students will complete the cluster within a year.
- Students taking this cohort will receive credits from Stony Brook University, and also have access to some university services and privileges.
- Two choices of instruction depending on demand and location:
  - Fully Online model of instruction with synchronous Skype sessions twice a semester
  - Hybrid model of instruction. For each of the courses in the hybrid model we meet face to face two sessions per course and the remaining sessions are held online.\*
  - Virtual meetings through Google Hangouts or Skype for two sessions per course to stay connected and enhance student learning.

\*Hybrid courses are listed as Face to Face through Stony Brook University.

### Program Highlights Include:

- A skilled team of lecturers who coordinate with each other to promote consistent, flowing curriculum within each course and from one course into the next throughout the 30 credit program.
- Learning how to use computer applications within your class, developing technology based projects, creating websites, using web 2.0 applications, podcasting, exploring how to integrate Skype and distance learning, understanding video and photo editing, using Google tools and multimedia software for project design.
- Discussing the social impact of technology in education and issues such as cyber safety, cyberbullying and social networking.
- Exploring emerging technologies in education and learning how to use and integrate of a number of peripheral devices like interactive white boards, student response systems, digital cameras, video cameras, and tablets (ipads and android tablets).
- Experience these classes with your peers and colleagues within your own district or surrounding area.

## **Course Descriptions**

### **525 - Google Apps for Education Certified Trainer: Foundations**

Google Apps for Education is a powerful suite that now seamlessly integrates into curricula and district technology goals. In this course, students will learn the tools necessary to become a Google Certified Trainer. Students will create and learn how to set up a Google Apps account and domain. They will also develop a comprehensive knowledge of a number of different products within Google Apps including - Drive, Calendar, Gmail, Sites and more. Students will focus on what it takes to become a Google Certified Trainer through hands-on coursework, review and preparation for the six Google Apps for Education Certification exams. The culminating activity for this course is a presentation on how to integrate one of the Google Apps products into an educational environment.

### **EST 526 - Google Apps for Education Certified Trainer : Curriculum Integration**

In this course, students will learn how to fully integrate the Google Apps products into education including YouTube, Blogger, and Google+. Students will explore educational best practices and examples of materials needed to submit the application for a Google Certified Trainer. Students will create a video biography, instructional video, case study, and additional training materials. Students will also participate in a Google EdOnAir Hangout. The culminating activity of this course is the submission of the completed application and all related materials.

### **EST 527 - The Impact of Mobile Devices and Cloud Based Systems in Education**

We are living in a hyper-connected world which allows us instant access to information from anywhere using mobile devices and cloud based technologies. In this course students will learn about what these technologies are, the power they have and what it takes to integrate them into the curriculum. Students will explore a multitude of educational apps, design an app with a corresponding aptivity and design a cloud based lesson. Students will also learn how to integrate, sync and deploy a number of mobile technologies within the educational environment including, iPads, Android tablets, Windows Surface tablets, Ultrabooks and Chromebooks. The culminating project for this course is to assess needs, research and develop a plan to integrate one of the mobile technologies within an educational environment.