

# GEOSPATIAL DISCOVERIES RESIDENTIAL SUMMER PROGRAM

Register by  
March 1<sup>st</sup> for a  
\$200 Savings!

July 12<sup>th</sup>-18<sup>th</sup>,  
2015

Grades 7<sup>th</sup>-12<sup>th</sup>

Cost: \$1,650

## International Students:

July 11th - July 19th, price includes extra lodging, airport transfer and meals \$1,850

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[gis.washcoll.edu](http://gis.washcoll.edu)

## You Choose a Track:

### 3D Visualization and Virtual World Development

Come explore the alternate realities of virtual worlds and 3D visualization in an exciting program track designed to introduce you to new technologies used to create realistic visualizations of our world. Attendees will learn how to use Autodesk 3ds Max and the very advanced Unity/Unreal 3D virtual world game development software. You will learn tips in building efficient models /terrain and how to design the game engine to perform in a timely fashion. Your project will focus on creating a virtual game environment with some flexibility for participants to design their own virtual alternate reality.

### CSI—Crime Analysis and Geospatial Intelligence

More and more law enforcement agencies are using advanced geospatial technologies to combat crimes in America. In this program track you will learn how to use advanced geographic information systems to create predictive models to assist cops in preventing crimes. By analyzing spatial distributions of various factors, and creating risk terrain models, you will be able to predict where future crime will occur. Real world examples will be used and your analysis will be shown to law enforcement so they can catch the bad guys with your help.

### Maryland Outdoors Geospatial Environmental Exploration

Teams will be formed to analyze environmental factors such as water quality, vegetation, and wildlife. Data will be collected in the field using sophisticated instruments with the recording of locations by GPS. Data will then be analyzed in the labs on campus including the use of an Inductively Coupled Plasma Mass Spectrometry unit. Water quality projects will operate from the research vessel Callinectes while land based projects will work in the Chester River Field Research Station. All data will be processed and then analyzed using Geographic Information Systems software in both 2d and 3d.

The camp is hosted by Washington College in Chestertown, Maryland. See our website for more details on how to apply  
<http://gis.washcoll.edu>



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