



RAMAPO COLLEGE OF NEW JERSEY
Office of Communications and Public Affairs

Press Release

May 10, 2016

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Ramapo College Offers Game Design and Data Science Camps for High School Students—Final Information Session Scheduled

MAHWAH, N.J.—The final Information Session for the new Programming/Data Science Camp and Game Design for Teens Camp at Ramapo College of New Jersey is scheduled for Wednesday, May 25 from 7-8 p.m. in the Academic Complex, Room H-123. The instructors for each camp will be present to answer questions. Visit www.ramapo.edu/ramapocamps to sign up at either program's web page.

Participants in the **Game Design for Teens Camp** choose among two sessions, July 5-15 or July 18-29. High school students are introduced to a variety of game design concepts including level construction, character design, and gameplay mechanics, using Adobe Flash, Adobe Photoshop, and ActionScript 3.0 to conceive, design and make functional games for the Web. Students learn design standards and user experience theory, including HTML5 integration, and apply this knowledge to individual projects. Each student's culminating project will incorporate personal style with programming to create a fully functional online game.

The new **Programming/Data Science Camp** introduces high school students to the new and fast-growing field of data science in which scientists combine skills in math, statistics, and computer programming to turn raw data into knowledge and insight. Students gain skills in writing, interpreting, and debugging computer code using Python and will use Python to write a web scraper, a utility that gathers information from the web. Students also learn how to use the Python-based SciPy package to display and analyze data. Finally, students use their skills to complete a short but complete data science research project on a topic of their choice. Examples include analyzing traffic patterns to improve traffic flow, finding evidence for a hypothesis in scientific data, and using modeling relationships in online social networks.

Additional summer programs for high school students to be held at Ramapo College this summer include the **Princeton Review SAT Prep Plus College Immersion** program for entering 11th and 12th graders; the **Ramapo Explorers-Theater Camp** offering both performance and technical theater classes for grades 9-12; and the **Financial Literacy/Stock Market Trading Program** also for grades 9-12.

The Ramapo College of New Jersey summer youth programs are directed by the College's Center for Innovative and Professional Learning. The Center supports postgraduate professional education, workforce development, and alternative learning. The Center also engages in internal and external educational partnerships to advance the College, and provides innovative continuous learning opportunities for community members of all ages.

For program dates or to sign up for an Information Session, contact the Ramapo College Center for Innovative and Professional Learning at 201-684-7370 or visit www.ramapo.edu/ramapocamps

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Ranked by *U.S. News & World Report* as fifth in the Best Regional Public Universities North category, Ramapo College of New Jersey is sometimes mistaken for a private college. This is, in part, due to its unique interdisciplinary academic structure, its size of approximately 6,000 students and its pastoral setting in the foothills of the Ramapo Mountains on the New Jersey/New York border.

Established in 1969, Ramapo College offers bachelor's degrees in the arts, business, humanities, social sciences and the sciences, as well as in professional studies, which include nursing and social work. In addition, Ramapo College offers courses leading to teacher certification at the elementary and secondary levels. The College also offers eight graduate programs as well as articulated programs with Rutgers, The State University of New Jersey, New York Chiropractic College, New York University College of Dentistry, SUNY State College of Optometry and New York College of Podiatric Medicine.