Macaulay Honors College at CSI
Recent Research Projects Include:

American Studies
Bruce Springsteen and an American Dean - The Singer Songwriter as Pastoral Critic

Biochemistry
Unraveling the Biophysical Basis of Tx7335-Induced KcsA Activation

Biology
Analysis of Tau Over-expression in Breast Cancer Cell Lines
Effects of Dibutylphthalate on Quinolinate Phosphoribosyl Transferase Activity in Candida albicans
36232

Biology - Ornithology
Long Distance Dispersal - An Important Mechanism for Range Expansion

Biology - Neuroscience
The Effects of Developmental Hypothyroidism on Spatial Memory and Neurogenesis
Mechanism of Phosphorylated Tau Translocation into the Nucleus
Effect of Curcumin on Phosphorylated Tau in Transgenic Drosophila Melanogaster Flies

Business - Public Finance
Quantifying the Aggregate Net Income from the Port Authority Staten Island Bridges

Chemistry
Towards Making Hemo-Compatible Super-Repellent Materials
Engineering Printed Polymeric Superhydrophobic Surfaces
The Fabrication and Analysis of Carbon based Thermal Interface Materials

Computer Science
Building a Semantic Kernel for Text Classification: Machine Learning

Economics
The Ethical Responsibility of Consumers in the Free Market.

Education
Creating a School Environment to Eliminate Shy Tendencies of Children

Engineering Science
ASME Design Competition - Acqua Macchina/Poseidon

English
The Dynamics of Role Play in Tartuffe, The Rover, and She Stoops to Conquer
Ancient Myths, Monsters, and Gods in Modern Society: Idols, Symbols, and Monikers
The Demise of the Newspaper: The Rise of Technology
The Fallen Seed - The Rise and Fall of Persephone in Greek and Roman Mythological Texts

**History**
Bang for Your Buck in Baseball Stadiums: An Examination of Yankee Stadium and Camden Yards
Politics and Sexual Politics in South Africa

**Information Technology**
Social Media Based Grants Management System

**Mathematics**
Competitive Lotka-Volterra Equation and Existence of Periodic Orbits
Mathematically Mapping the Cosmos; Contemporary Topological Applications in Cosmology

**Music**
Senior Guitar Recital

**Nursing**
Best Practices for the Nursing Care of Older Adults with Congestive Heart Failure

**Physics/Astrophysics**
Quantitative Spectroscopic Analysis of High Resolution M, L, and T Dwarf Spectra
Youth Indicators in Very Cool Stars

**Political Science**
When Colombia’s Guerilla Groups and Paramilitaries Fight, Human Rights Pay the Price
The New York City Mayoralty and Public Opinion

**Psychology**
Effect of Dietary Taurine on Inhibitory Learning in Aged Pigeons
Interference of the Consolidation of Emotional Learning in Pigeons
An Analytical Study of Quantifier Comprehension in School-Aged Children