

# PHILOSOPHY

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Some members of the Hunter College Department of Philosophy participate in the MA and PhD programs in philosophy based at the City University Graduate School and University Center.

Information concerning degree requirements, courses, etc., may be obtained from Professor John Greenwood Executive Officer, PhD Program in Philosophy CUNY Graduate School and University Center, 365 Fifth Avenue New York, NY 10016-4309

It may also be obtained at <http://web.gc.cuny.edu/Philosophy/>

# PHYSICS AND ASTRONOMY

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## Degrees Offered HEGIS

Degrees Offered	BA*	MA	MA/MA	HEGIS
Physics	BA*			1902
Physics 7-12	BA*			1902
Physics		MA		1902
Physics 7-12		MA		1902.01
Physics		BA/MA		1902

\* See Hunter College Undergraduate Catalog 2002-2004, p. 124 for information about undergraduate programs and courses in physics and astronomy.

## FACULTY

**Janos A. Bergou, Professor;** PhD, Lorand Eotvos; Intense Field Electrodynamics, Multiphoton Processes, Nonlinear and Quantum Optics

**Ying-Chih Chen, Professor;** PhD, Columbia; Laser Physics, Quantum Electronics, Ultra-fast Optics, Light Matter Interaction

**Leon Cohen, Professor;** PhD, Yale; Quantum Mechanics, N-Body Self Gravitation Problem

**Marten denBoer, Professor;** PhD, Maryland; Experimental Condensed Matter, Surface Physics

**Greg Foster, Assistant Professor;** PhD, SUNY, Stony Brook; Quantum Optics/Computing

**Steven G. Greenbaum, Professor;** PhD, Brown; Magnetic Resonance, Solid State Physics, Polymer Physics

**Godfrey Gumbs, Professor;** PhD, Toronto; Theoretical Condensed Matter Physics, Optical and Transport Properties of Semiconductor Nanostructures

**Mark Hillery, Professor;** PhD, California (Berkeley); Quantum Optics, Non-linear Optics, Ferromagnetic Semiconductors

**Neepa Tatyana Maitra,** PhD, Harvard; Time-Dependent Density Functional Theory

**Edward P. Tryon, Professor;** PhD, California (Berkeley); Particle Physics, Cosmology

**Rodney L. Varley, Associate Professor;** PhD, Brandeis; Non-equilibrium Statistical Theory of Dense Gases and Liquids, Plasma Physics

**Siu-Tung Yau, Associate Professor;** PhD, Biophysics and Nanotechnology

**Marilyn W. Rothschild, Associate Professor;** PhD, Rutgers; Dir. Physical Sciences Learning Center, Credit Evaluation Adviser.

**Bo T. Lawergren, Professor Emeritus;** PhD, Australian National University; Musical Acoustics, Experimental Nuclear Physics

## MASTER OF ARTS

The MA in physics is offered as a terminal degree, either separately or as part of the BA/MA program. The MA in physics may also, with the approval of the CUNY Graduate School and University Center, form part of the degree work required for the CUNY PhD degree. Thesis research toward the CUNY PhD may also be carried out at Hunter College.

## Requirements for Admission

Applicants must meet Hunter's general admission requirements; however, the physics department no longer requires the Graduate Record Examination. In addition, the following departmental requirements must be met:

1. A minimum of 36 credits total in undergraduate physics and mathematics courses. These should include intermediate mechanics, electricity, modern physics, and differential equations. A B average is required for these courses.
2. Approval by the department's Graduate Physics Committee. If deficiencies are noted in certain undergraduate courses, the applicant may be required to take these courses without graduate credit.

## Requirements for the Degree

1. A program of courses designed in consultation with the graduate adviser and approved by the department's Graduate Physics Committee.
2. Completion of 30 credits of graduate work including:
  - a. Not more than 6 credits earned at a graduate institution other than CUNY.
  - b. At least 15 credits earned at Hunter College.

