

# The Division of the Physical Sciences

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## Dean

- Edward W. (Rocky) Kolb

## Deputy Deans

- Michael Foote
- Michael D. Hopkins
- Stephan S. Meyer

## Dean of Students

- Miranda Swanson

The Division of the Physical Sciences includes the Departments of Astronomy & Astrophysics (<http://astro.uchicago.edu>), Chemistry (<http://chemistry.uchicago.edu>), Computer Science (<http://www.cs.uchicago.edu>), Geophysical Sciences (<http://geosci.uchicago.edu>), Mathematics (<http://www.math.uchicago.edu>), Physics (<http://physics.uchicago.edu>), and Statistics (<http://www.stat.uchicago.edu>). It also includes the Enrico Fermi Institute (<http://efi.uchicago.edu>), the James Franck Institute (<http://jfi.uchicago.edu>), and the (interdivisional) Institute for Biophysical Dynamics (<http://ibd.uchicago.edu>). Graduate degrees are awarded only by the departments, the Committee on Computational and Applied Mathematics (CCAM) (<http://www.stat.uchicago.edu/ccam/index.shtml>) and the Biophysical Sciences (<http://biophysics.uchicago.edu>) program, but students in physical sciences programs often conduct their research under the auspices of the research institutes.

Undergraduate programs in the physical sciences are administered by the College. Detailed descriptions of programs leading to the bachelor's degree may be found in The College Catalog (<http://collegecatalog.uchicago.edu>).

## Admission to Graduate Programs in the Division

Applicants for admission to graduate studies in the Physical Sciences should refer to individual program entries for specific admissions requirements.

An applicant who has received a bachelor's degree or the master's degree from an accredited college or university may be admitted on the basis of his or her previous academic record.

An applicant who has completed at least two years of college work with superior standing in the basic courses of a special field and an adequate record of general studies but who does not have a four year bachelor's degree may be admitted to the division to study toward a higher degree. However, failure to qualify for a higher degree leaves the student with no degree. Admission on this basis is recommended only for those with high aptitude for their major field and with not more than two deficiencies in general education covering the areas of English, modern foreign languages, humanities, social science, and biological science.

A person may be admitted as a graduate student at large or as a returning scholar for the purpose of studying a definite subject or subjects for which he or she has an adequate background. Admission is considered upon the basis of an abbreviated application, such credentials as may be appropriate, and a clearly defined statement of objectives. Application is made to the Graham School of Continuing Liberal and Professional Studies (<https://grahamschool.uchicago.edu>).

## Financial Aid

All graduate students at the doctoral level in the Division of the Physical Sciences receive financial support, typically in the form of teaching or research assistantships which include a tuition scholarship and health insurance coverage. Other forms of support include fellowships provided by the National Science Foundation, the U.S. Department of Education, and various private foundations.

## Degrees

Normally students admitted to a degree program are expected to be in continuous, full time residence until the degree has been conferred. Since individual departmental or program degree requirements may change, students should always contact their department or program for current degree requirements and regulations. Per University policy, a student must complete three quarters of full-time registration (or the equivalent in part-time registration quarters) at the University in order to qualify for a degree.

## Master of Science

Master of Science students are required to register full time in the division for a minimum of three quarters, during which time they must satisfactorily complete a minimum of nine individual courses. There are several masters programs in the division for students who want to specialize in specific areas in the physical sciences:

- The Department of Computer Science offers a Master of Science in Computer Science (<http://csmasters.uchicago.edu>).

- The Department of Mathematics offers a Master of Science in Financial Mathematics (<http://www-finmath.uchicago.edu>).
- The Physical Sciences Division offers a general Master of Science in the Physical Sciences (<http://mspd-pdsites.uchicago.edu>) aimed at students who wish to broaden or deepen their knowledge of the physical and mathematical sciences.
- The Department of Statistics offers a Master of Science in Statistics (<http://www.stat.uchicago.edu/admissions/MastersDegree.shtml>).

In addition,

- The Department of Computer Science together with the Harris School for Public Policy offers a Master of Science in Computational Analysis and Public Policy (<https://capp.sites.uchicago.edu>).
- The Physical Sciences Division together with the Harris School for Public Policy and Argonne National Laboratory offers a Master of Science in Environmental Science and Policy (<http://harrisschool.uchicago.edu/degrees/masters-degree/ms-env-sci-policy>).

### Doctor of Philosophy

The degree of Doctor of Philosophy is conferred in recognition of high accomplishment and ability in the candidate's chosen field. It is understood that the completion of a specified number of courses and a given period of residence do not ensure the granting of this degree. The requirements for the degree of Doctor of Philosophy are as follows:

1. Completion of the University's residence requirements.
2. Admission to candidacy for the degree. Admission to advanced work in the division does not necessarily imply admission to candidacy for a degree, which is contingent upon the recommendation of the program in which the student is working. At the appropriate time programs will submit to the Dean of Students in the division, on behalf of each student, an application requesting approval of admission to candidacy. Approval of the application certifies that:
  - The candidate has satisfied all course requirements for the program.
  - The candidate's program recommends admission to candidacy (following satisfactory completion of individual examination requirements).
  - The candidate has begun investigation for a dissertation.
3. The passing of final examination(s) in accordance with one of the following plans:
  - A basic examination in the major fields of interest in the department or departments of specialization and a final oral examination in the field covered by the dissertation or;
  - In the absence of a preliminary or basic examination, passing comprehensive examinations covering major fields of interest in the program of specialization, including the field of the dissertation.
4. Acceptance by the department or program and the Dissertation Office of a dissertation submitted for the degree.





#### Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Trajan.

Times was used instead of Palatino.

The editor may contact Leepfrog for a draft with the correct fonts in place.