

8th of October, 1991.

King's College London

2 pm. In the lecture
theatre C22 Ground floor.
Through double doors.



Kwshid Home

071-7940621

071-7284339

16a, FROGNAL LANE,

HAMPSTEAD,

LONDON,

NW3 7DU.

Division of Biomolecular Sciences

M.Sc. in General Biochemistry

The M.Sc. course in General Biochemistry has a long and successful history. Originating in 1958 as a Diploma course, since 1965 it has been approved by the University of London for the award of M.Sc. degree.

The course is primarily intended as a re-orientation for graduates in appropriate disciplines, other than biochemistry. It aims to cover both the theoretical and practical principles of the subject. The course may be attended either full-time or part-time and commences in October of each year.

SYLLABUS

The syllabus consists of lectures with supporting tutorials, practical work and seminars. The following topics are included: intermediary metabolism and its control; biochemistry of specialised mammalian tissues; isolation and structure of proteins; the properties, kinetics and reaction mechanisms of enzymes; biochemistry of cell membranes and subcellular components; transport of metabolites; bioenergetics; molecular biology including the organisation, structure and expression of genes; DNA sequencing and recombinant DNA techniques.

The laboratory work illustrates the application of standard biochemical techniques including chromatography, centrifugation, spectrophotometry, electrophoresis, radio-chemistry and enzymic and polarographic methods. Computer-based and data-interpretative exercises are also used to reinforce certain aspects of the syllabus.

FULL-TIME COURSE.

The full-time course extends over one *calendar* year (October - September). For the first three terms there is a full programme of lectures, seminars and laboratory classes supported by weekly tutorials. From June, students work full-time on a research project and are required to submit a project report in September.

Award of the M.Sc. degree is based on assessment of formal course-work, written papers taken in June and the research project.

PART-TIME COURSE.

The course may be taken part-time over *two* academic years and involves attendance for one afternoon and evening (on the same day) each week. Admission to the second year depends upon a satisfactory performance in a department-based examination taken in June of the first year.

Award of the M.Sc. degree is based on assessment of course-work throughout the two years of the course and on the written examination papers taken in June of the second year.

QUALIFICATIONS

Candidates for admission to the course should hold a first or second class honours degree of a British University (or an approved equivalent qualification), in an appropriate science subject e.g. Chemistry, a Biological Science, Pharmacy or Pharmacology, or be graduates in Medicine, Dentistry or Veterinary Medicine. Graduates in Physical Sciences have also successfully completed the course.

Applicants for the part-time course are normally expected to be in relevant full-time employment. Please contact the department for further guidance.

TWO-YEAR FULL-TIME M.Sc.

Applicants whose qualifications are not of a standard equivalent to an honours degree of a British University may, in appropriate circumstances, be admitted to a qualifying course of full-time study, of one years duration. Successful completion of this course permits transfer to the one-year full-time M.Sc. course, which is thus completed after two years of full-time study.

APPLICATIONS

Applications for admission to the course should be made as soon as possible. Application forms may be obtained from:-

**The Secretary, Division of Biomolecular Sciences (Biochemistry),
King's College London, Campden Hill Road, London W8 7AH.
Telephone 071-836 5454**



FEES:

Normal science-based postgraduate fees apply. Current fees are given in the College Postgraduate Prospectus.