Medical/Dental School Applicant Course Requirements

**BIOLOGY**

14 semester hours (12 semester hours of lecture & 2 semester hours of formal lab) or 21 quarter hours (18 quarter lecture hours & 3 quarter lab hours) of Biology are required. The coursework must be applicable toward a science degree.

*Baylor College of Dentistry* requires only 8 semester hours of Biology including a lab or 12 quarter hours including a lab.

*Includes all Biology courses applied toward Baccalaureate degree in traditional science fields, such as General Biology, Zoology, Botany, Microbiology, Molecular Biology, Genetics, Ecology, Immunology, Parasitology, Ornithology, Anatomy & Physiology, Entomology, Pathophysiology, Marine Biology and Herpetology.*

One semester of Biochemistry will be accepted toward fulfilling the 14 semester hour requirement except at the *U.T. Dental Branch in Houston* which requires one semester of Biochemistry in addition to the 14 hours of Biology.

The *UT Medical School at Houston* will **ONLY** accept Biochemistry taught in the Biology or the Biochemistry Department (not in the Chemistry Department) to satisfy the 14 hour Biology requirement.

Beginning with the entering class of 2007 at *UT Medical School at San Antonio*, 3 of the 14 hours of required Biology coursework **MUST BE** Biochemistry (taught in either a biology or chemistry department).

Courses for non-science majors or for health career majors (Nursing, Pharmacy or Allied Health Sciences) **ARE NOT ACCEPTED**.

**GENERAL CHEMISTRY**

8 semester hours or 12 quarter hours of General Chemistry, as required for college science majors, including the corresponding laboratory experience are required. (8 semester hours = 6 hours of lecture & 2 hours of lab; 12 quarter hours = 9 hours of lecture & 3 hours of lab). Must be a course that is applied toward a baccalaureate degree in any traditional science field. Should include familiarity with analytic and volumetric techniques.

Inorganic courses include General Chemistry, Physical Chemistry and Quantitative Analysis.

Courses for non-science majors or for health career majors (Nursing, Pharmacy or Allied Health Sciences) **ARE NOT ACCEPTED**.
## ORGANIC CHEMISTRY

8 semester hours or 12 quarter hours of Organic Chemistry, as required for college science majors, including the corresponding laboratory experience are required. (8 semester hours = 6 hours of lecture & 2 hours of lab; 12 quarter hours = 9 hours of lecture & 3 hours of lab).

Must be a course that is applied toward a baccalaureate degree in any traditional science field. Should include familiarity with analytic and volumetric techniques.

Courses for non-science majors or for health career majors (Nursing, Pharmacy or Allied Health Sciences) **ARE NOT ACCEPTED.**

## BIOCHEMISTRY

Required **ONLY** by **UTHSC Dental Branch at Houston** and **UT Health Science Center at San Antonio**. Required beginning in entry year 2012 by **Texas Tech HSC School of Medicine**. Other schools are considering adding this to their requirements.

3 semester hours or 4 quarter hours of Biochemistry is required.

Must have a grade of "C" or better. Must be a course that is applied toward a baccalaureate degree in any traditional science field.

**UTHSC Dental Branch at Houston:**
This requirement is in addition to the 14 hours of Biology required and **may not** be used to fulfill the Biology requirement. The course must be taught in the Biology or Biochemistry department. Courses taught in the Chemistry Department **WILL NOT BE ACCEPTED.**

**UTHSC at San Antonio and Texas Tech HSC School of Medicine:**
This requirement may be used to fulfill the Biology requirement of 14 hours. The course may be taught in the Biology, Biochemistry or Chemistry department. Cannot be an introductory course.

## PHYSICS

8 semester hours or 12 quarter hours of Physics, as required for college science majors, including the corresponding laboratory experience are required. (8 semester hours = 6 hours of lecture & 2 hours of lab; 12 quarter hours = 9 hours of lecture & 3 hours of lab)

Includes all physics courses applied toward a baccalaureate degree in any traditional science field.

Courses for non-science majors or for health career majors (Nursing, Pharmacy or Allied Health Sciences) **ARE NOT ACCEPTED.**
## ENGLISH

6 semester hours or 9 quarter hours of college English are required.

Any course accredited by the English Department that fulfills a general education English requirement of a baccalaureate degree will be accepted. Remedial or developmental courses or "English As a Second Language" courses **ARE NOT ACCEPTED**.

The **UT Medical Branch at Galveston WILL NOT ACCEPT** upper level writing intensive courses taught in departments other than English to satisfy the requirement.

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## CALCULUS/STATISTICS

**The Calculus/Statistics requirement is not required for dental schools.**

3 semester hours or 4 quarter hours of college Calculus or Statistics is required. Beginning with Entry Year 2012, the following medical schools will **require** 3 semester hours of statistics to satisfy the math requirement:

- The University of Texas School of Medicine at San Antonio
- Texas A&M HSC College of Medicine
- Texas Tech University HSC School of Medicine
- UNT HSC-Texas College of Osteopathic Medicine

**UT Medical School at Houston DOES NOT ACCEPT** Statistics to fulfill the mathematics requirement. Math requirements will be dropped by **UT Medical School at Houston** beginning Entry Year 2012.

The Calculus course can be any course taught by a Math or Physics Department. Business Calculus or any Pre-Calculus courses **ARE NOT ACCEPTED**.

The Statistics course should be taught in the Math Department. Individual medical schools **may** consider statistics courses taught in other departments on an individual basis.