Somebody said that it couldn’t be done,  
But he with a chuckle replied  
That “maybe it couldn’t”, but he would be one  
Who wouldn’t say so till he’d tried.  
So he buckled right in with the trace of a grin  
On his face. If he worried he hid it.  
He started to sing as he tackled the thing  
That couldn’t be done, and he did it.  

Somebody scoffed: “oh, you’ll never do that;  
At least no one has done it”.  
But he took off his coat and took off his hat,  
And the first thing we knew he begun it.  
With a lift of his chin and a bit of a grin  
Without any doubting or quidit,  
He started to sing as he tackled the thing  
That couldn’t be done, and he did it.  

There are thousands to tell you it cannot be done,  
There are thousands to prophesy failure;  
The dangers that wait to assault you.  
But just buckle in with a bit of a grin,  
Just take off your coat and go to it;  
Just start to sing as you tackle the thing  
That “cannot be done,” and you’ll do it.

—Edgar Allen Guest
**Career Highlight: Dentistry**

A dental education opens up a world of professional opportunities. There are over 50 dental schools in the United States accredited by the ADA’s Commission on Dental Accreditation (CODA). Typically, DDS/DMD programs take four years to complete with an additional year for dental specialties. Most U.S. dental schools accept a single online application through the American Association of Dental Schools Application Service (AADSAS).

Dentistry offers several career options. In addition to private practice, excellent opportunities exist in teaching and research, careers with government agencies or in industry.

Dentists can specialize in one of the nine ADA recognized dental specialties. The nine dental specialties are: Dental Public Health, Endodontics, Oral and Maxillofacial Pathology, Oral and Maxillofacial Radiology, Oral and Maxillofacial Surgery, Orthodontics and Dentofacial Orthopedics, Pediatric Dentistry, Periodontics, and Prosthodontics.

Private Practice: Many dentists work either in solo private practice or in partnerships with other dentists. The majority of private practice dentists own their practices. These include general dentist or those who choose to specialize in Academic Dentistry: An academic dentistry career combines teaching, research, community service and patient care. Additional information is available at the American Dental Education Association’s (ADEA) web site, http://www.adea.org.

Public Health Dentistry: This career focuses on community settings. Promoting dental health, developing health policy and preventing disease are the major roles of a public health dentist. Numerous opportunities also exist in research and teaching. The U.S. Public Health Service offers dentists an opportunity to provide dental care in unique cultural environments (e.g., an Indian Reservation, Coast Guard base, or Federal Prison).

Research: Research careers offer opportunities to generate new knowledge and be on the cutting edge of scientific discoveries that ultimately impact patient care. Some of the latest research improving patient care includes lasers in surgery and implants to replace damaged bone. Many researchers are faculty at universities, while others work in federal facilities, such as the National Institute of Dental and Craniofacial Research (NIDCR), www.nidcr.nih.gov, and the National Institutes of Health (NIH), www.nih.gov or in private industry. A career in research requires an advanced degree or additional training beyond the dental degree.

International Health Care: Dentists provide services to populations abroad and work for such agencies as the World Health Organization (WHO), the United Nations Educational, Scientific and Cultural Organization (UNESCO), and the Food and Agricultural Organization of the United Nations (FAO). Many dentists volunteer to bring dentistry to aid people in third world countries.

Hospital dentistry: Hospital dentists treat patients with medical conditions and disabilities alongside physician colleagues, often in operating rooms and emergency departments. Hospital dentists usually have a strong interest in medicine and collaborative care and have spent a year or more training in a hospital-based setting after dental school.

Source: [http://www.ada.org/96.aspx](http://www.ada.org/96.aspx)  
[http://www.ada.org/3324.aspx](http://www.ada.org/3324.aspx)

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**Considering a Career in Research**

The University of Louisville School of Medicine offers graduate degrees in five academic departments. Students can earn masters or PhD in Anatomical Sciences and Neurobiology, Biochemistry and Molecular Biology, Microbiology and Immunology, Pharmacology and Toxicology, and Physiology and Biophysics.

Students entering one of these five departments participate in the Integrated Programs in Biomedical Sciences (IPIBS). IPIBS is a gateway for entering graduate students interested in biomedical research. Students take a core-curriculum during their first year and then choose one of the five PhD granting programs to complete their course work and research.

IPIBS also offers a financial assistance package. IPIBS fellowships consist of a $22,000 stipend, tuition waiver, and health care benefits.

For more information about IPIBS visit the website at [http://louisville.edu/hsc/ipibs](http://louisville.edu/hsc/ipibs). Interested students can also contact Dr. Thomas Geoghegan, PhD at 502-852-3805 or via email at tgeo001@louisville.edu.

We also recommend that you visit the department website for specific information about each discipline.

Anatomical Sciences and Neurobiology: [www.louisville.edu/medschool/anatomy](http://www.louisville.edu/medschool/anatomy)

Biochemistry and Molecular Biology: [www.louisville.edu/medschool/biochemistry](http://www.louisville.edu/medschool/biochemistry)

Microbiology and Immunology: [www.louisville.edu/medschool/microbiology](http://www.louisville.edu/medschool/microbiology)

Pharmacology and Toxicology: [www.louisville.edu/medschool/pharmacology](http://www.louisville.edu/medschool/pharmacology)

Physiology and Biophysics: [www.louisville.edu/medschool/physiology](http://www.louisville.edu/medschool/physiology)

U of L also offers graduate degrees in public health through the School of Public Health and Information Sciences. As a student in SPHIS you will learn about public health theory and practice and new ways to think about and manage health information.

SPHIS offers several academic programs, including a Master of Public Health (MPH), three Masters of Science (MS and MSc) and two Doctors of Philosophy (PhD). Most programs have specific concentrations that allow students to direct their studies to individual areas of interest.

Degree programs offered through the SPHIS are:

- Certificate in Clinical Investigation Sciences
- Master of Science (MS) in Biostatistics-Decision Science
- Master of Science (MSc) in Clinical Investigation Sciences
- Master of Science (MS) in Epidemiology
- Master of Public Health (MPH)
- Doctor of Philosophy (PhD) in Biostatistics with emphases on Decision Science and Bioinformatics
- Doctor of Philosophy (PhD) in Public Health Sciences - Epidemiology
- Doctor of Philosophy (PhD) in Public Health Sciences - Environmental Health
- Doctor of Philosophy (PhD) in Public Health Sciences - Health Management
- Doctor of Philosophy (PhD) in Public Health Sciences - Health Promotion
- Dual PhD in Mathematics and MS in Biostatistics-Decision Science

Source: [http://louisville.edu/sphis/prospective-students](http://louisville.edu/sphis/prospective-students)  
[http://louisville.edu/sphis/academics/academics.html](http://louisville.edu/sphis/academics/academics.html)

For more information contact Di-anne Foster, Director of Student Affairs at 502-852-5081 or via email at obiograd@louisville.edu.

Source: [www.louisville.edu/dental/oralbiology](http://www.louisville.edu/dental/oralbiology)
The DAT, or Dental Admissions Test, is a standardized, multiple-choice examination designed to help dental schools assess your general academic ability, comprehension of scientific information, and perceptual ability.

Along with your grades, dental schools also use the DAT to predict your ability to succeed academically in dental school. Every U.S. medical school will require you to take the DAT as part of the application process. Test results are only one factor considered in evaluating the admission potential of a student.

The DAT comprises four sections: survey of the natural sciences (90 minutes), perceptual ability (often called the PAT, 60 minutes), reading comprehension (60 minutes), and quantitative reasoning (45 minutes).

To register for the exam, visit ada.org

**Test Preparation Materials:**

- [Sample Test](http://www.ada.org/sections/educationAndCareers/pdfs/dat_sample_test_order_form.pdf)
- [DAT Test](http://www.ada.org/sections/educationAndCareers/pdfs/dat_test_sampleitems.pdf)

**Dual Degree Programs**

Dual degree programs help expand your skill set, giving you more opportunities to influence individuals, communities, the health care system and our broader society for the better.

Combining a second degree with your education helps you experience health care through the lens of diverse disciplines including the humanities, business, public health and other diverse disciplines.

The UofL School of Medicine offers five dual degree programs.

**MD/MA- Bioethics & Medical Humanities**

The MD-MA program combines the medical school curriculum with the Interdisciplinary Master of Arts in Bioethics and Medical Humanities. A degree intended to provide graduates with an enriched ethical knowledge base, preparing them to work in clinical or hospital settings, and to undertake scholarly research or teach in the field of bioethics and medical humanities.

Degree holders may participate in hospital ethics committees, teach medical ethics and humanities, understand the interaction of religion/spirituality and medicine, or be equipped to interpret issues in bioethics to the general public and media. For more information, contact: 502-852-6501 bioethicsma@louisville.edu

**MD/MBA**

Whether your career goals include managing your own practice, developing and marketing biomedical discoveries and medical devices, working to enhance the delivery of outstanding clinical care or improving the health care system, the M.D./M.B.A. dual degree will serve you well. Graduates will be skilled in both medicine and management.

For more information, contact: Toni M. Ganzel, MD, MBA
Senior Associate Dean for Students and Academic Affairs
tmganz01@louisville.edu

Robert B. Nixon, Ph.D.
Associate Dean - Masters Programs
rnix01@louisville.edu

**MD/MPH**

The MD-MPH prepares future physicians to approach health care from both an individual, patient-based perspective and a population-based perspective. This combination of the disciplines of medicine and public health enables practitioners to advance their patients’ health and wellness using multiple strategies and provides options for physicians to become leaders in efforts to improve the public’s health at the local, regional and national levels.

For more information, contact: SPHIS
502 852-3299
sphis@louisville.edu

**MD/PhD**

The MD-PhD is a Physician Scientist training program that includes two years in pre-clinical medical training, followed by graduate training in one of UofL’s basic research departments, and two years of medical rotations for clinical training. The PhD can be earned from any of the basic research departments in the School of Medicine. Arrangements can be made in special cases to design a program based in one of the degree-granting programs located at UofL’s Belknap Campus.

Applicants to the combined M.D./Ph.D. program must submit applications to the Medical School through the American College Application Service (AMCAS) and the student is required to take the MCAT. If you are interested in being considered for the M.D./Ph.D. program, you should check the appropriate box on the University of Louisville Medical School application when you apply. Checking this box will not influence admission to medical school. For more information, contact: Dr. Binks Wattenberg
Associate Director-MD/Ph.D Program
502-852-7762
bwattenberg@louisville.edu

**MD/MSc in Clinical Investigation Sciences**

The MSc degree program provides physicians, dentists, nurses and other health professionals an opportunity to acquire the clinical research skills necessary for a career in an academic health center. The required course work provide students with a broad base of knowledge in epide-miologic research methods, biostatistics, bioethics and the methodologies of health services and outcomes research. Early in their first semester MSc students are required to identify a faculty member who will serve as a mentor. The MSc in Clinical Investigation Sciences can be completed in two years; however, a three-year option is also available.

Dual degree students must be admitted by both the School of Medicine and the School of Public Health and Information Sciences. For more information, contact: SPHIS
502-852-3299
sphis@louisville.edu

Source: [http://louisville.edu/medschool/dualdegree](http://louisville.edu/medschool/dualdegree)
SMDEP 2011

As we head into the last few weeks of summer our office has begun the initial planning for SMDEP 2011. We ask that you share your experiences at SMDEP with your peers and friends and encourage them to apply. If you need any flyers, brochures or any other information to share with your pre-health clubs about SMDEP or the MCAT/DAT Summer Review please let us know and we will be more than happy to mail that information to you. Also if you would like for us to come to your school and do a brief presentation about our program let us know a date and we will try to accommodate you.