

CHEMISTRY + Doctor of Dental Medicine (3+4)

College of Arts and Sciences • Department of Chemistry

Degrees Available at SIUE

- B.A., B.S. Chemistry
+ Doctor of Dental Medicine (D.M.D.)/ 3 + 4 program

Why Chemistry/Doctor of Dental Medicine?

Students seeking to pursue a career in dental medicine will need to have a firm undergraduate foundation in science. A combined fast-track program in chemistry and dental medicine will allow a student to complete studies for a doctor of dental medicine degree in seven years instead of the traditional eight.

Chemistry/Doctor of Dental Medicine at SIUE

The Department of Chemistry offers a pre-professional degree tract for students specifically interested in pursuing a degree in dental medicine. The first three years, students will pursue a rigorous curriculum on the Edwardsville campus. The fourth year is completed at the SIU School of Dental Medicine in Alton, Ill. Appropriate coursework is then transferred to SIUE after the first year in Alton to complete the undergraduate degree requirements. The two schools work closely together to ensure that all degree requirements are met and so that all students have a strong foundation in chemistry and analysis.

Career Outlook

The U.S. Department of Labor predicts faster than average employment growth for those holding a doctor of dental medicine degree. The overwhelming number of dentists are solo practitioners. With competition to dental schools keen, those students who are successful in undergraduate programs tied to a doctor of dental medicine program have an excellent chance for a smooth transition to a professional school.

Admission Requirements

Preference will be given to applicants demonstrating exemplary academic performance in additional higher-level science courses while taking full academic loads. Science courses should not be survey courses or other such courses designed for non-science majors. Admission requirements are subject to change. Please contact the School of Dental Medicine directly for the most current admission requirements.

Exit Requirements

Satisfactory completion of all university, program and departmental requirements as outlined in the undergraduate catalog.

Application Deadline

Please contact the department for all appropriate application deadlines.

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Faculty

Distinguished Research Professors

O'Brien, Leah C., Ph.D.

1987, University of Arizona, Tucson

Patrick, Timothy B., Ph.D.

1967, West Virginia University

Professors

Eilers, James E., Ph.D.

1971, Case Western Reserve University

Johnson, Kevin A., Ph.D.

1996, Clemson University

Khazaeli, Sadegh, Ph.D.

1982, Michigan State University

Shaw, Michael J., Ph.D.

1993, University of British Columbia – Vancouver

Vandegrift, Vaughn. (Chancellor), Ph.D.

1974, Ohio University

Associate Professors

Dixon, Robert P. (Chair), Ph.D.

1993, University of Pittsburgh

Lu, Yun, Ph.D.

1996, Nankai University

Shabangi, Masangu, Ph.D.

1999, University of Toledo

Shabestary, Nahid, Ph.D.

1984, Michigan State University

Voss, Eric J., Ph.D.

1992, Northwestern University

Assistant Professors

De Meo, Cristina, Ph.D.

2001, University of Georgia – Athens

Navarre, Edward, Ph.D.

2002, University of Vermont

Wei, Chin-Chuan, Ph.D.

1998, City University of New York

Wiediger, Susan D., Ph.D.

1999, Rice University



Four-Year Overview of Dental Program

Year I introduces the student to biomedical information on the healthy human organism and basic clinical science information required for developing the fundamental knowledge and skills for clinical dentistry. Community and Preventive Dentistry offers the students their first experience in direct patient care. During the summer between the first and second year, summer research opportunities are offered to interested students.

Year II presents the remaining necessary biomedical sciences for students to attain both a comprehensive knowledge of the healthy human organism and necessary information for recognizing diseases. The second year also provides the information and experiences necessary to begin comprehensive patient care. During the summer between the second and third years there is a required eight-week academic session that includes patient care, didactic clinical courses and time for National Board preparation.

Year III continues with didactic clinical sciences instruction, applied courses in biomedical sciences and increasing patient care responsibility. The primary focus of the third year is basic comprehensive patient care and the interrelationships of all areas of prevention, diagnosis and treatment. The summer following year three contains an eight week required patient treatment clinical experience.

Year IV is spent primarily in comprehensive patient care. Students receive advanced clinical sciences information and review advances in biomedical science, which could effect clinical patient care. Externship opportunities are offered to qualified seniors. At the successful completion of all didactic and clinical requirements a Doctor of Dental Medicine (D.M.D.) degree is awarded.

Detailed Class Schedules can be found here: http://www.siu.edu/dentalmedicine/misc/class_schedules.shtml



Required Courses	Semester/Quarter Hours*
* INORGANIC CHEMISTRY	8/12
*/+ ORGANIC CHEMISTRY	8/12
* BIOLOGY	8/12
PHYSICS	6/9
ENGLISH	6/9

*Science courses must include laboratory.

Academic Advising Information

Brian Hinterscher
College of Arts and Sciences Undergraduate Advising
Campus Box 1609
Edwardsville, IL 62026-1609
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Contact Info

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