DMD/MS CLINICAL RESEARCH TRAINING

Dual-Degree Program
This program is not currently accepting new students.

The Case School of Dental Medicine, in collaboration with the School of Medicine, presents a dual-degree program made possible by the National Institute of Health (NIH) Ruth L. Kirschstein National Research Service (T32) Training Grant.

Purpose
The objective for the five-year joint DMD and Master in Clinical Research Training (DMD-MCRT) at the School of Dental Medicine is to train dental scholars for an academic career and for utilizing scientific advances to solve clinical problems. Part of this goal is training in clinical research so that the dental graduate may promote progress in biomedical research and develop innovative and effective strategies for the oral health needs of the population.

Curriculum
The DMD curriculum consists of 141.5 credit hours and the MCRT curriculum consists of 36 credit hours. The MCRT curriculum consists of 15 graded hours of core curriculum, 6 graded hours of DMD coursework, 3-6 graded hours of elective course(s), participation in a seminar series, and 9-12 graded hours of research work culminating in a thesis project. Components of the dental curriculum are equivalent to clinical research material that is taught at the graduate level. Thus a total of 6 credits will be applied from the dental curriculum to the master's degree.

Features
Key features of this dual-degree program are that it is a five-year program where each student is assigned an advisor, a mentor, and the student will receive "protected time" to complete their master's requirements. This program will highlight core dental and master's courses as well as research rotations. The student will be required to complete a master's thesis research project and make a scientific presentation at the International Association of Dental Research or the American Association of Dental Research conferences.

Admission
Prospective students are eligible to apply to the program anytime after their first year of DMD studies, but prior to the start of the fourth DMD year. Applicants must complete an online application form that includes a personal statement describing the reason for seeking admission along with a summary of career goals and submit a non-refundable application fee, three sealed recommendation letters or online recommendation forms, a recent curriculum vitae including previous research experience, letters of support from training director and research mentor ensuring protected time, and official transcripts for all higher education degrees. Applicants will also be required to submit a photograph and Visa/Permanent Resident Card/ECFMG (if applicable). Admission to the program is contingent upon good DMD academic standing and recommendation letters from the Associate Dean for Education and the Director of the DMD-MCRT program.

Master of Science in Clinical Research Sample Plan of Study

First Year

<table>
<thead>
<tr>
<th>Units</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
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<tbody>
<tr>
<td>Study Design and Epidemiologic Methods (CRSP 402)</td>
<td>3</td>
<td></td>
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<tr>
<td>Advanced Statistics: Linear Models (NURS 630)</td>
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<tr>
<td>Communication in Clinical Research - Oral Presentation, Posters, and the Mass Media (CRSP 413)</td>
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<td>Research Ethics and Regulation (CRSP 603)</td>
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<tr>
<td>Communication in Clinical Research - Grant Writing (CRSP 412)</td>
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<td>Design and Analysis of Observational Studies (CRSP 500)</td>
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<td>Team Science - Working in Interdisciplinary Research Teams (CRSP 501)</td>
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<tr>
<td>Elective</td>
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<tr>
<td>Introduction to Clinical Research Summer Series (CRSP 401)</td>
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<td>1 - 3</td>
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<tr>
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<tr>
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<td>8</td>
<td>4-6</td>
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Second Year

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<td>Clinical Research Scholars Thesis (CRSP 651)</td>
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<tr>
<td>Elective</td>
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<td>3-6</td>
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Clinical Research Scholars Thesis (CRSP 651)  3-6

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<tr>
<td>Year Total:</td>
<td>6-9</td>
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Total Units in Sequence:  32-44