

Master's Degree in Dental Science: Translational and Clinical Dental Science

Core Courses – 13 credits

| COURSE # | COURSE TITLE | COURSE CREDITS |
|----------|---|----------------|
| BST 463 | Introduction to Biostatistics | 3 |
| BST 465 | Design of Clinical Trials | 3 |
| IND 501 | Ethics and Professional Integrity in Research | 1 |
| ORB 556 | Biology of the Periodontium | 1 |
| ORB 580 | Fundamentals of Dental Caries | 1 |
| ORB 501 | Dental Research Seminar | 1 |
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Required Research

| COURSE # | COURSE TITLE | COURSE CREDITS |
|----------|-------------------|----------------|
| ORB 495 | Master's Research | 10-12 |

*Elective Courses – minimum 4 credits

| COURSE# | COURSE TITLE | COURSE CREDITS |
|---------|--|----------------|
| ORB 570 | Oral Epidemiology I: Introduction and Principles | 1 |
| ORB 571 | Oral Epidemiology II: Research Design and Analysis | 1 |
| ORB 493 | Oral Microbiology | 2 |
| ORB 558 | Craniofacial Growth and Development | 1 |
| ORB 563 | Pharmacology and Therapeutics | 1 |
| ORB 579 | Saliva and Salivary Glands | 1 |
| PM 410 | Introduction to Data Management & Analysis | 3 |
| PM 413 | Field Epidemiology | 3 |
| PM 414 | History of Epidemiology | 3 |
| PM 416 | Epidemiologic Methods | 3 |
| PM 417 | Molecular Epidemiology | 3 |
| PM 419 | Recruitment and Retention of Human Subjects | 3 |
| PM 458 | Qualitative Health Care Research | 3 |
| PM 488 | Experimental Therapeutics | 3 |
| PM 401 | Quantitative Methods in Public Health Research | 3 |

Required Workshop

| COURSE # | COURSE TITLE | COURSE CREDITS |
|----------|--------------------------------------|----------------|
| IND 417 | Workshop in Scientific Communication | 1 |

*Other courses may be approved prior to registration by Dr. Quivey or Dr. Caton.
A minimum of 30 course credits is required for the Master's degree.