ORTH 654. Orthodontic Diagnosis and Treatment Planning. 2 Hours.
Semester course; 30 seminar hours. 2 credits. Must be taken every semester of the program. Considers and discusses available and theoretical options for clinical management of variations in facial form and dental occlusion.

ORTH 656. Current Literature. 2 Hours.
Semester course; 30 seminar hours. 2 credits. Must be taken every semester of the program. Presents in a journal-club format evaluation of current information in orthodontics and related disciplines. Includes special emphasis on research methodology and the contributions of current research to advances in orthodontics.

ORTH 658. Analysis of Orthodontic Treatment. 1.5 Hour.
Semester course; 22.5 seminar hours. 1.5 credits. Must be taken every semester of the program. Analyzes cephalometric and other objective measures of the outcomes of orthodontic therapy. Reviews treatment objectives with respect to actual changes effected in patients. Delineates changes resulting from therapy from normal variations in craniofacial development.

ORTH 660. Orthognathic Conference. 1 Hour.
Semester course; 15 seminar hours. 1 credit. Must be taken every semester of the program. Discusses the etiology and embryologic basis of congenital and acquired deformities in the craniofacial structures. Emphasizes syndromes with craniofacial manifestations and the diagnosis and treatment planning for patients with facial clefts.

ORTH 680. Orthodontic Clinic. 2.5 Hours.
Semester course; 7.5 clinic hours. 2.5 credits. Enrollment is restricted to students enrolled in the M.S.D. program. Students will learn the clinical management of orthodontic patients. Involves supervised experiences in an environment simulating private practice. Must be taken both fall and spring of the first and second years of the program for a total of 10 credits. May be taken without credit in additional semesters as needed to complete clinical training. Graded as pass/fail.

ORTH 700. Senior Selective in Orthodontics. 4 Hours.
Semester course; 4 clinical and 1 seminar hours per week. 4 credits. Prerequisites: successful completion of ORTH 623, ORTH 733, ORTH 739 and permission of the course director. A clinical and didactic course designed for students who wish to gain advanced knowledge of orthodontics in an environment simulating a practice setting. The course will include participation in seminars, clinical activities and hospital rotations for craniofacial patients. The course will extend over the fall and spring semesters and will provide an excellent preparation for students entering the private practice of dentistry or students seeking graduate education in the field of orthodontics. A maximum of four students will be chosen to participate in this selective each year. Graded CO for the fall semester and P/F for the spring.

ORTH 733. Orthodontic Therapy. 1 Hour.
Semester course; 1 lecture contact hour. 1 credit. Consists of didactic lectures, a continuation of ORTH 623.

ORTH 739. Clinical Orthodontics III. 1 Hour.
Yearlong course; 2.5 hour clinic sessions. 1 credit. The purpose of this clinical course is to give the student practical, hands-on, orthodontic diagnosis and treatment experience to supplement the didactic material learned in preclinical orthodontic courses. The student will learn how to diagnose orthodontic problems so that normal developmental processes, minor occlusal discrepancies with simple solutions and more complex problems requiring referral to a specialist may be differentiated. Diagnosis and treatment of cases requiring limited orthodontic therapy will be the focus of the course during the junior year when students will rotate through the orthodontic clinic in eight-week block rotations. Students receive CO grading in the fall and pass/fail grade and credit are awarded in spring.