

**3 + 4 DUAL DEGREE AND DENTAL EARLY ADMISSION PROGRAM (DEAP)  
JOINT AGREEMENT BETWEEN McMURRY UNIVERSITY AND THE  
UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER  
AT SAN ANTONIO DENTAL SCHOOL**

**PURPOSE OF THE PROGRAM**

To offer an opportunity for students with an interest in dentistry to receive early acceptance to Dental School and to receive both an undergraduate degree (B.S.) and a dental degree (D.D.S.) in seven years.

**DESCRIPTION AND POLICY OF THE PROGRAM**

1. The student shall be a student enrolled at McMurry University
2. Requirements for acceptance to program:
  - a. The student shall have an acceptable pre-entry interview with the faculty of the UTHSCSA Dental School prior to completion of 30 semester hours. This interview is to determine the student's motivation for the dental profession.
  - b. The student shall have Texas resident status or a waiver for entry to DEAP from the Associate Dean of Student Affairs of the Dental School.
  - c. Acceptance will not be granted to individuals who have been convicted of a felony. (A waiver may be granted by the Dental School in exceptional situations.)
3. The student shall complete the coursework prescribed in this document for the appropriate Bachelor's degree which must include a minimum of 90 semester hours of credit. This coursework also satisfies the prerequisites for admission to UTHSCSA Dental School:

A listing of coursework required for admission into the UTHSCSA Dental School is available from their website (<http://dental.uthscsa.edu/admissions/ddscoursereqs.html>). Required courses at the time of this agreement's approval were as follows:

English:	One year of college English
Biology:	Two years as required for college science majors, including one year of formal laboratory work
Physics:	One year as required for college science majors, including one year of formal laboratory work
Chemistry:	One year of general chemistry and one year of organic chemistry as required for college science majors, including two years of formal laboratory work

It is understood that as these requirements change, so will the required courses for completion prior to matriculation at UTHSCSA Dental School.

4. The student will attend a seminar at the Dental School before matriculation. Summer research opportunities at the UTHSCSA will be made available to interested students whenever possible.
5. The student must take the Dental Admission Test (DAT) and submit an application to the Texas Medical & Dental Schools Application Service (TMDSAS) before October 1 of year three of the undergraduate work.
6. Following the successful completion of the designated three-year McMurry University curriculum, the student will enroll in the UTHSCSA Dental School contingent on the following (*note that the dental school does not replace grades in courses that are retaken; all grades earned in a course are counted*):
  - a. A grade of “C” or above in all required pre-dental courses and at least 90 semester hours of credit.
  - b. A cumulative GPA of 3.40 or above for all courses taken in the three-year curriculum.
  - c. A cumulative GPA of 3.40 or above for all required science courses.
  - d. An academic average score of 18 on the DAT.
  - e. A positive recommendation by the Pre-Professional Advisory Committee of McMurry University.

NOTE: Students who fall below the GPA requirement will have their application considered by the Dental School Admissions Committee and will be given favorable consideration whenever possible.
7. Students completing the designated McMurry curriculum will meet with the McMurry University Registrar during their final year on campus to complete the application for graduation with the Bachelor of Science in Biology degree. Following successful completion of the first year of courses at the Dental school and submission of the Dental School transcript, the student will receive the B.S. in Biology degree from McMurry.
8. Following successful completion of the four-year curriculum of the Dental School, the student will be granted the D.D.S. degree by the UTHSCSA Dental School.

### **TERMINATION OF JOINT AGREEMENT**

Termination of this joint agreement may be initiated by either McMurry University or the University of Texas Health Science Center at San Antonio. Written notice of intent to terminate must be delivered to the other party at least six months prior to the effective date of termination. Students enrolled in the program at the time of termination of this joint agreement will be given the opportunity to complete the program in its entirety.

## **B.S., BIOLOGY MAJOR – 120 Semester Credit Hours**

### **3 + 4 Dual Degree and Dental Early Admission Program**

After the successful completion of the following courses and fulfilling the University of Texas Health Science Center at San Antonio Dental School contractual conditions on file with McMurry's Vice President for Academic Affairs, the student will receive acceptance to the UTHSCSA Dental School. Following successful completion of one year of academic coursework at UTHSCSA Dental School, the student will be awarded the B.S. degree by McMurry University with a major in Biology.

#### **General Education (as of Fall 2007) 33 semester credit hours<sup>1</sup>**

Courses must be taken from approved lists<sup>2</sup> in order to satisfy the following general education distribution:

Leadership, Excellence, and Virtue (4hrs.)	Fine Arts (3 hrs.)
Mathematics (3 hrs.)	World Perspectives (3 hrs.)
Written Communication (6 hrs.)	Society and Self Perspectives (6 hrs.)
Oral Communication (3 hrs.)	Health and Fitness (2 hrs)
Humanities (3 hrs.)	Natural Science (4 hrs)
Christian Tradition (3 hrs.)	

<sup>1</sup>The number of general education semester credit hours is actually 40 hours. However, "Supporting Courses" below satisfy general education requirements for Math and Natural Science, reducing the actual number of unique General Education semester credit hours to 33.

<sup>2</sup>The approved courses for each area of General Education are found in the McMurry University Catalog. Students must follow the requirements found in the Catalog they fall under.

#### **Major in Biology 40 semester credit hours**

##### ***Biology Core (18 hrs.)***

BIOL 1301 Biology of Unicellular Organisms  
BIOL 1402 Biology of Plants  
BIOL 1403 Biology of Animals  
BIOL 3460 Genetics  
BIOL 4301 Introduction to Research<sup>3</sup>

##### ***Biology Electives<sup>3</sup> (22 hours) UTHSCSA Dental School recommended courses:***

*BIOL 3410 Microbiology and BIOL 3440 Comparative Anatomy*

<sup>3</sup>Course credit sufficient and appropriate to substitute for BIOL 4301 Introduction to Research and to complete remaining hours for the 22-hour block of Biology elective hours would be transferred in from UTHSCSA Dental School for coursework completed during the first year of study.

#### **Supporting Coursework: 28 semester credit hours**

CHEM 1410, 1420, General Chemistry I and II  
CHEM 3410, 3420, Organic Chemistry I and II  
PHYS 1410, 1420, College Physics I and II  
MATH 2421, Calculus

#### **General Electives<sup>4</sup> 19 semester credit hours**

*UTHSCSA Dental School recommended courses:*  
*CHEM 3441 Biochemistry I and CHEM 3442 Biochemistry II*

<sup>4</sup>Course credit sufficient and appropriate for completing this 19-hour block of general electives would be transferred in from UTHSCSA Dental School for coursework completed during the first year of study.

**Total Hours  
hours**

**120 semester credit**

**First Year Dental Courses from UTHSC-San Antonio Dental School  
Accepted for Credit to Complete the B.S. in Biology Degree**

**For Biology or General Elective Credit:**

BIOC 5013 Biochemistry (5.5 credit hours)  
CSBL 5016 Gross Head & Neck Anatomy (7.5 credit hours)  
CSBL 5032 Dental Histology (5.0 credit hours)  
MICR 5013 Microbiology (4.0 credit hours)  
PHAR 5001 Pharmacology (4.0 credit hours)  
PHYL 5013 Physiology (6.5 credit hours)

**Course Descriptions for those UTHSCSA Dental School courses accepted for Biology Credit:**

**BIOC 5013 Biochemistry (5.5 Semester Credit Hours)** Primarily lectures and conferences, this course is designed as a survey course for dental students. Content deals with the chemistry and metabolism of carbohydrates, amino acids, lipids, proteins, and nucleic acids. Special topics relating to the biochemistry of the oral cavity will be presented. The relationship between biochemistry and clinical aspects of dentistry is presented by clinical correlation speakers.

**CSBL 5016 Gross, Head & Neck Anatomy (7.5 Semester Credit Hours)** The structure of the human body, with emphasis upon the functional anatomy of the trunk, neck, and head, is the focus of this course. Regional dissection of a human cadaver, by groups of students, is supplemented by individual study of prosections, models, skeletons, and other demonstration materials and is guided by lectures, conferences, and films. The first part of the course, which deals with the anatomy of the thorax and abdomen, presents a general overview of the functional architecture of most major body systems. The emphasis is on principles of structure, to allow development of a holistic understanding of human biology, both normal and pathological. The latter half of the course is devoted to study of the head and neck; greater emphasis will be placed on anatomical relationships with obvious reference to clinical dentistry. Human materials fee: \$300.

**CSBL 5032 Dental Histology (5.0 Semester Credit Hours)** Through lectures, demonstrations, and laboratory work, students in this course will be given the opportunity to study the microscopic structure of the basic tissues and organs of the human body, followed by details of the embryologic development and microscopic structure of the various organs of the oral cavity. Current concepts in cellular biology are presented during the portion of the course in which they are most relevant. The general purpose of this course is to give students the opportunity to become acquainted with the basic embryology, cytology, and histology of normal human tissues and organs, thereby providing a foundation of knowledge for the understanding of normal activity and disease processes. Lab fee included in general lab fee. \$48 microscope fee for the Freshman year includes this course.

**MICR 5013 Microbiology (4.0 Semester Credit Hours)** Foundation in immunology, bacteriology, virology, and mycology for all subsequent teaching of microbial pathology and oral infectious diseases is presented. Relevant aspects of preventive medicine and public health are included. Lab fee included in general lab fee.

**PHAR 5001 Pharmacology (4.0 Semester Credit Hours)** A study of the general principles of action of drugs used for the treatment and alleviation of symptoms of medical and dental diseases including pharmacodynamics of major drug groups, toxicology, and contemporary prescription writing.

**PHYL 5013 Dental Physiology (6.5 Semester Credit Hours)** Lecture instruction in the basic concepts of cell and organ function and in the integrated function of mammalian organ systems is presented. The physiology of the nervous system is included.