5336. Contemporary Art. 3(3-0)
In-depth study of art as it appears in contemporary culture.

5340. Graduate Ceramics. 3(2-4)
The development and execution of advanced problems in ceramics. May be repeated for credit. Studio fee, $20.

BIOLOGICAL AND HEALTH SCIENCES
Glenn Perrigo, Graduate Coordinator-Biology.
Angel Ball, Graduate Coordinator-Communication Sciences and Disorders
Manning Hall 108. MSC 177A. Extension 2614.

Graduate Faculty: Angel Ball (Communication Sciences and Disorders), Jon A. Baskin (Biology), Shari S. Beams (Communication Sciences and Disorders), Thomas A. Fields (Communication Sciences and Disorders), Cynthia M. Galloway (Biology), Enrique Massa (Biology), Stephen D. Oller (Communication Sciences and Disorders), Rafael Perez-Ballestero (Biology), Glenn H. Perrigo (Biology)

BIOLOGY (BIOL)
The Department of Biological and Health Sciences offers a Master of Science degree in Biology. The Plan I program is research-oriented and requires completion of a thesis. This program is for students who plan to pursue a Ph.D. or who want research experience. The Plan II program is content-oriented, and a shorter research problem is required. This program is for those needing more background in formal course work. The prerequisites for unconditional admission are a grade point average of 3.0 on a 4.0 scale and a Graduate Record Examination (quantitative plus verbal) score of 900. Additional information is provided in the Biology Graduate Handbook, which may be obtained from the Graduate Coordinator or Department Chair.

A variety of research projects are available: a student can select a field or a laboratory oriented project. Fiscal support for qualified graduate students is available through scholarships, research assistantships and teaching assistantships. Many research projects are funded through federal and private sources.

5102. Research Problems I.* 1(1-0)
Individual problems assigned, defined and supervised by a Biology graduate faculty member with permission of the department chair. Provides experience in individual design, execution and reporting of small units of research of professional caliber.

5104. Graduate Seminar. 1(1-0)
An advanced study of biological literature and research with critical class reports. May be repeated twice for credit.
5202. Research Problems II.*
Individual problems assigned, defined and supervised by a biology graduate faculty member with permission of the department chair. Provides experience in individual design, execution and reporting of small units of research of professional caliber.

Required of all majors entering graduate work in biology.

5302. Topics in Biology.
Lectures in selected topics. May be repeated for credit once under a different topic. Prerequisites: 12 semester hours of biology or equivalent.

5305. Graduate Research Project.
This course is specifically designed for Plan II and Plan III students. A graduate research project must be completed and submitted to the Department Office for a grade to be assigned, otherwise an S or U notation is recorded. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5306. Thesis Research.
This course is specifically designed for Plan I students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

5316. Advanced Biological Concepts.
A study of traditional biological phenomena using modern research techniques. Cell, organismal and population biology will be analyzed with an emphasis on molecular and evolutionary concepts. Prerequisite: graduate standing in biology.

5318. Investigations in Biology.
Investigations and research at the graduate level in selected advanced topics. May be repeated under different topics. Required of all Plan II candidates under an appropriate topic. No more than 6 semester hours can be applied as credit toward the degree. The A&M-Kingsville graduate credit workshop taught at the Welder Wildlife Refuge is included under this course number.

5320. Research Problems III.*
Individual problems assigned, defined and supervised by a biology graduate faculty member with permission of the department chair. Provides experience in individual design, execution and reporting of small units of research of professional caliber.

5401. Molecular Biology.
Modern concepts and lab techniques in molecular biology. Fundamental principles and important new processes in the use of molecular techniques to address biological problems. The laboratory portion will introduce basic and advanced molecular techniques. Prerequisite: graduate standing in the sciences, agriculture or engineering.
5402. **Advanced Topics in Biology.**
Lectures, literature, investigation and research at the graduate level in selected advanced topics. May be repeated for credit under different topics.

**COMMUNICATION SCIENCES AND DISORDERS (CSDO)**
Students who wish to enroll in the Graduate Program in Communication Sciences and Disorders (CSDO) must present evidence of completion of an undergraduate major in Speech-Language Pathology or completion of all undergraduate courses required of an undergraduate major in Speech-Language Pathology. Also, a basic course in statistics is required. Three letters of recommendation from professionals in Speech-Language Pathology who are familiar with the student's academic and/or clinical skills are also required. Grade point average and GRE scores are part of the evaluation for admission to the graduate program. The deadline for receipt of all application materials for consideration for fall admission is February 1st. The deadline for receipt of all application materials for consideration for spring admission is October 1st.

The M.S. in Communication Sciences and Disorders is offered as a thesis (Plan II) or nonthesis (Plan III) option. A minimum of 400 clock hours of clinical practice, 325 of which must be on the graduate level, is required. This graduate program will prepare students to function in a variety of clinical settings. The program is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association (ASHA).

Students may be required to obtain a Criminal Background Check (CBC) either as part of the admissions process or prior to placement in certain externship sites. Students should also be advised that the Texas State Board of Examiners for Speech-Language Pathology and Audiology may deny a license to an applicant because of conviction for a felony or misdemeanor if the crime directly relates to the professional duties of a speech-language pathologist or audiologist.

5301. **Research in Communication Sciences and Disorders.**
Major methods of research used in the various areas of communication sciences and disorders. Each student is responsible for the successful completion of a research project. Prerequisite: PSYC 3381; permission of instructor/graduate standing.

5303. **Motor Speech Disorders.**
Disorders of speech with a neuromuscular basis found in children and adults, including motor-based articulation disorders, stuttering, voice disorders, the dysarthria and cerebral palsy. Prerequisite: permission of instructor/graduate standing.

5305. **Graduate Research Project.**
This course is specifically designed for Plan II and Plan III students. A graduate research project must be completed and submitted to the Department Office for a grade to be assigned, otherwise an S or U notation is recorded. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.