Clinical and Diagnostic Sciences

The Department of Clinical and Diagnostic Sciences is comprised of academic programs essential to today’s healthcare system. Our programs provide training for future health care professionals in a variety of disciplines ranging from the diagnosis of illness and disease, the administration of advanced treatment therapies, to the performance of vital roles in surgical suites and in outpatient and inpatient healthcare settings. Graduates of our programs are well poised for a wide variety of job opportunities due to the outstanding education received at UAB. Current graduate program offerings include:

- Biomedical and Health Sciences, M.S.
- Biotechnology, M.S. and Biotechnology Regulatory Affairs Certificate
- Clinical Laboratory Science, M.S.
- Genetic Counseling, M.S.
- Health Physics, M.S.
- Nuclear Medicine Technology, M.S.
- Physician Assistant Studies, M.S.P.A.S.

Courses

**CDS 501. Professional Skills I. 0 Hours.**
First course in a sequence focusing on the development of behavioral competencies to address the growing emphasis healthcare is placing on these skills due to their impact on the delivery of quality care.

**CDS 502. Professional Skills II. 0 Hours.**
Second course in a sequence focusing on the development of behavioral competencies to address the growing emphasis healthcare is placing on these skills due to their impact on the delivery of quality care.

**Prerequisites:** CDS 501 [Min Grade: P]

**CDS 503. Professional Skills III. 1 Hour.**
Third course in a sequence focusing on the development of behavioral competencies to address the growing emphasis healthcare is placing on these skills due to their impact on the delivery of quality care.

**Prerequisites:** CDS 501 [Min Grade: P] and CDS 502 [Min Grade: P]

**CDS 505. Professional Skills Development. 1 Hour.**
Development of professional behaviors and attitudes required for success in healthcare.

**CDS 560. Foodborne and Waterborne Outbreak Investigations. 3 Hours.**
Analysis of different aspects (basic microbiology, epidemiological analysis, surveillance tools, regulations, environmental and laboratory testing) of foodborne and waterborne outbreak investigations.

**CDS 605. Survival Spanish for Health Professionals. 1 Hour.**
Health care professionals will be introduced to basic vocabulary, useful questions and expressions in Spanish needed to communicate in practical health care situations. Students will participate in speaking exercises, dialogue, and role-play activities (field-specific scenarios).

**CDS 610. Research Design and Statistics. 3 Hours.**
This course will introduce the student to clinical research methods and review concepts involved in descriptive and inferential statistics. Topics covered include, overview of the research process, literature review, research hypothesis, research designs, sample selection, measurement methods, descriptive statistics, and inferential statistics.

**CDS 625. Analysis of Scientific Publications. 3 Hours.**
This course is designed to prepare students to critically evaluate medical/scientific literature and to write a master's level papers. The ability to critically analyze scientific publications will be incorporated into the process of making medical decisions.