DEGREE: BACHELOR OF SCIENCE  
MAJOR: MEDICAL DIAGNOSTICS

CURRICULUM

UNIVERSITY REQUIREMENTS

ENGL 110 Critical Reading and Writing (minimum grade C-)  
First Year Experience (FYE) Satisfied by MEDT 100  
University Breadth Requirements  
Discovery Learning Experience (DLE) Satisfied by MEDT 462  
Multi-cultural Courses

One of the courses taken to satisfy the breadth requirements may also satisfy the multicultural course requirement.

MAJOR REQUIREMENTS

Second Writing Course: (minimum grade C-)  
A second writing course involving significant writing experience including two papers with a combined minimum of 3,000 words to be submitted for extended faculty critique of both composition and content. This course must be taken after completion of 45 credit hours. (See list of courses approved for second writing requirement.)

Mathematics:
One of the following math courses: (Satisfies university breadth requirement for Mathematics, Natural Sciences and Technology)
MATH 114 College Mathematics and Statistics  
MATH 115 Pre-Calculus  
MATH 117 Pre-Calculus for Scientists and Engineers  
MATH 221 Calculus I  
Or
MATH 241 Analytic Geometry and Calculus A

English:
ENGL XXX Any English Course at the 200 level or above. (Many English courses also satisfy the Creative Arts and

Additional Breadth Requirements:
From the list of University breadth courses, an additional nine credits must be taken to meet the requirements for the major; subject areas may be from the same discipline.

Creative Arts and Humanities (A course in Ethics or Medical Ethics is strongly suggested.)  
History and Cultural Change  
Social and Behavioral Sciences

(minimum grade of C- required in all MEDT courses)

CURRICULUM

MEDT 100 Introduction to Medical Laboratory Science  
MEDT 200 The Language of Medicine  
MEDT 360 Clinical Immunology and Medical Virology  
MEDT 398 Body Fluid Analysis  
MEDT 401 Clinical Physiological Chemistry I  
MEDT 403 Clinical Physiological Chemistry II  
MEDT 404 Hematology I  
MEDT 405 Hematology II  
MEDT 406 Medical Microbiology  
MEDT 409 Immunohematology I  
MEDT 420 Immunohematology II  
MEDT 430 Diagnostic Bacteriology and Medical Mycology  
MEDT 462 Experiential Learning  
BISC 207/BISC 208 Introductory Biology I and II  
BISC 300 Introduction to Microbiology  
BISC 401 Molecular Biology of the Cell  
BISC 403 Genetic and Evolutionary Biology  
CHEM 103/CHEM 104 General Chemistry  
CHEM 214 Elementary Biochemistry  
Or
CHEM 527 Introductory Biochemistry
Eligibility for admission to the junior year of the Medical Diagnostics major will be determined by academic achievement based on the following criteria:

1. Minimal GPA of 3.0 in first four semesters of coursework.

2. At least 60 credits among the designated chemistry, biological science, mathematics, physics, and kinesiology and applied physiology prerequisites must be completed prior to admission into the major. The science prerequisites include BISC 207, BISC 208, BISC 300, CHEM 103, CHEM 104, CHEM 321, CHEM 322, and the science sequence of BISC 276 and PHYS 201/PHYS 202 or KAAP 309/KAAP 310. The mathematics prerequisites include one of the following courses: MATH 114, MATH 115, MATH 117, MATH 221, or MATH 241. In addition, the student must have made satisfactory progress towards a baccalaureate degree.