

**DEGREE: BACHELOR OF SCIENCE
MAJOR: MEDICAL DIAGNOSTICS**

CURRICULUM	<u>CREDITS</u>
UNIVERSITY REQUIREMENTS	
ENGL 110 Critical Reading and Writing (minimum grade C-)	3
First Year Experience (FYE) Satisfied by MEDT 100	1
University Breadth Requirements	12
Discovery Learning Experience (DLE) Satisfied by MEDT 462	3
Multi-cultural Courses	3
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-)	3
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	3
MATH 115 Pre-Calculus	3
MATH 117 Pre-Calculus for Scientists and Engineers	4
MATH 221 Calculus I	3
Or	
MATH 241 Analytic Geometry and Calculus A	4
English:	
Any English Course at the 200 level or above. (Many English courses also satisfy the Creative Arts and	
ENGL XXX English courses also satisfy the Creative Arts and	3
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.)	3
History and Cultural Change	3
Social and Behavioral Sciences	3
(minimum grade of C- required in all MEDT courses)	
CURRICULUM	<u>CREDITS</u>
MEDT 100 Introduction to Medical Laboratory Science	1
MEDT 200 The Language of Medicine	3
MEDT 360 Clinical Immunology and Medical Virology	3
MEDT 398 Body Fluid Analysis	1
MEDT 401 Clinical Physiological Chemistry I	3
MEDT 403 Clinical Physiological Chemistry II	4
MEDT 404 Hematology I	2
MEDT 405 Hematology II	2
MEDT 406 Medical Microbiology	3
MEDT 409 Immunohematology I	1
MEDT 420 Immunohematology II	1
MEDT 430 Diagnostic Bacteriology and Medical Mycology	2
MEDT 462 Experiential Learning	3
BISC 207/BISC 208 Introductory Biology I and II	8
BISC 300 Introduction to Microbiology	4
BISC 401 Molecular Biology of the Cell	3
BISC 403 Genetic and Evolutionary Biology	3
CHEM 103/CHEM 104 General Chemistry	8
CHEM 214 Elementary Biochemistry	3
Or	
CHEM 527 Introductory Biochemistry	3

CHEM 321/CHEM 322	Organic Chemistry	8
STAT 408	Statistical Research Methods I	3
One of the following science sequences:		
BISC 276	Human Physiology	4
And		
PHYS 201/PHYS 202	Introductory Physics I and II	8
Or		
KAAP 309/KAAP 310	Pre-Clinical Anatomy and Physiology I and II	8
Electives to total 120		
CREDITS TO TOTAL A MINIMUM OF		120

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.