

OAKLAND UNIVERSITY
SCHOOL OF HEALTH SCIENCES
B.S. DEGREE BIOMEDICAL DIAGNOSTIC AND THERAPEUTIC SCIENCES
2016 - 2017 Major Checklist

Name: _____ Last 4 G#: _____ Date: _____

BIOMEDICAL DIAGNOSTICS AND THERAPEUTIC SCIENCES CORE		Transfer Course	Credit	Grade
BIO 111	Biology I		4	
BIO 205	Human Anatomy		4	
BIO 206	Human Anatomy Lab		1	
BIO 207	Human Physiology		4	
CHM 144 and 147	General Chemistry I with lab		4	1
CHM 145 and 148	General Chemistry II with lab		4	1
STA 225 Intro to Statistics or STA 226 Applied Probability & Statistics or STA 228 Statistical Methods			4	
MLS 201	Careers in BDTS	Fall Only	1	
MLS 205	Contemporary Issues in Health Care Organizations		2	
MLS 210	Medical Terminology		1	
MLS 226	Introduction to Lab Theory and Techniques (not required for RAD Specialization)		2	
HS 450	Law, Values & Healthcare		4	
Elective Credits (WRT 150, or approved course through petition of exception)			4	
GENERAL EDUCATION REQUIREMENTS (28 CREDITS)				
WRITING FOUNDATIONS	WRT/RHT 160: Composition II		4	
WRITING INTENSIVE IN GENERAL EDUCATION	*(Can be double counted with global perspective by taking MGT 110) (not required for true transfer student)			
WRITING INTENSIVE IN MAJOR	Satisfied by major: HS 450			
FORMAL REASONING	Satisfied by major: STA 225 or STA 226 or STA 228			
ARTS			4	
FOREIGN LANGUAGE & CULTURE			4	
GLOBAL PERSPECTIVE*			4	
LITERATURE			4	
NATURAL SCIENCE & TECHNOLOGY	Satisfied by major: BIO 111, CHM 144+147, PHY 101+110			
SOCIAL SCIENCE	PSY 100 suggested		4	
WESTERN CIVILIZATION			4	
DIVERSITY	**Can double count with Art, GP, Lit, SS, WC gen ed			
KNOWLEDGE APPLICATIONS	Can be satisfied by major: PHY 102 or PHY 109			
CAPSTONE	Satisfied by major: HS 450			
All students following the new general education requirements must complete 40 credits of general education, including at least one course (three or more credits) from the list of approved courses offered in each of the following 10 knowledge areas Writing, Formal Reasoning, Arts, Foreign Language and Culture, Global Perspective, Literature, Natural Science and Technology, Social Science, Western Civilization, and Knowledge Applications. Additional general education requirements include U.S. Diversity, Writing Intensive in General Education, Writing Intensive in the Major, and a Capstone. This information is also available in the Academic Catalog. Students are responsible for reading the Academic Catalog, which is available online at http://catalog.oakland.edu .				

Biomedical Diagnostic & Therapeutic Sciences clinical internships require a minimum GPA of 2.80 or higher for all specializations. Student is required to review the catalog for course grade requirements.

***The US Diversity requirement must be satisfied by a course completed. Students can double count another general education course or complete one of the courses listed under US diversity in the catalog.*

PROFESSIONAL SPECIALTY COURSE REQUIREMENTS

MEDICAL LABORATORY SCIENCE (MLS)			
Course	Credit	Grade	
PHY 108 Principles of Physics I	4		
PHY 109 Principles of Physics II	4		
CHM 234 Organic Chemistry I	4		
MLS 313 Immunohematology	4		
MLS 314 Hemostasis	3		
MLS 327/328 Clinical Chemistry+Lab	4	1	
MLS 335/336 Parasit/ Mycol/Virol+Lab	3	1	
MLS 400 Medical Genetics	4		
MLS 402 Molecular Diagnostics	3		
MLS 416/417 Medical Hematology+Lab	4	1	
MLS 423 Clinical Immunology	3		
MLS 425 Medical Biochemistry	4		
MLS 430/431 Clinical Microbio+Lab	3	1	
MLS 440 Clinical Correlation	3		
Elective credits (approved course through petition of exception)	5		
TOTAL SPECIALIZATION CREDITS		59	

***NUCLEAR MEDICINE TECHNOLOGY (NMT)		
Course	Credit	Grade
MTH 141 Pre-calculus	4	
PHY 101/110 General Physics I (w/ lab)	4	1
PHY 102/111 General Physics II (w/ lab)	4	1
HS 401 Pathology	4	
MLS 312 Hematol/Cell Path	3	
MLS 400 Medical Genetics	4	
MLS 423 Clinical Immunology	3	
MLS 425 Medical Biochemistry	4	
Elective credits (approved through petition of exception)	3	
NMT 401/402/403 Clinical Internship	32	
TOTAL SPECIALIZATION CREDITS		67
*Additional courses are required for students in the Findlay NMT program: COM 201: Public Speaking (4) and CSE 110: Computer Literacy (2)		

***HISTOTECHNOLOGY (HTL)			
Course	Credit	Grade	
BIO 305/306 Histology+Lab	4	1	
HS 401 Human Pathology	4		
MLS 312 Hematol/Cell Path	3		
MLS 335/336 Parasit/Mycol/Virol+Lab	3	1	
MLS 400 Medical Genetics	4		
MLS 402 Molecular Diagnosis	3		
MLS 423 Clinical Immunology	3		
MLS 425 Medical Biochemistry	4		
MLS 430 Clinical Microbiology	3		
Elective credits (approved through petition of exception)	10		
HT 401/402/403/404 Clinical Internship	24		
TOTAL SPECIALIZATION CREDITS		67	

PRE-PROFESSIONAL			
Course	Credit	Grade	
PHY 101/110 General Physics I (w/ lab)	4	1	
PHY 102/111 General Physics II (w/ lab)	4	1	
CHM 234 Organic Chemistry I	4		
CHM 235 Organic Chemistry II	4		
CHM 237 Organic Chemistry Lab	2		
MLS 312 Hematol/Cell Path or MLS 416 Medical Hematology	3 or 4		
MLS 400 Medical Genetics	4		
MLS 423 Clinical Immunology	3		
MLS 425 Medical Biochemistry	4		
MLS 430 Clinical Microbiology	3		
MLS 431 Clinical Microbio Lab or MLS 432 Medical Microbio Lab	1		
Elective credits: Minimum of 20-21 credits from the following: MLS 313, MLS 314, MLS 327, MLS 328, MLS 335, MLS 336, MLS 402, MLS 417, MLS 440, HS 401, BIO 305, BIO 306 or any other course approved by program director in writing through approved petition of exception form.	20-21		
TOTAL CONCENTRATION CREDITS		59	

***RADIOLOGIC TECHNOLOGY (RAD)			
Course	Credit	Grade	
PHY 108 Principles of Physics I	4		
PHY 109 Principles of Physics II	4		
Course	Credit	Grade	
RAD 311 Methods of Patient Care I	2		
RAD 331 Radiologic Physics	3		
RAD 333 Prin. of Rad. Exposure I	3		
RAD 334 Prin. of Rad. Exposure II	2		
RAD 341 Radiographic Procedures I	4		
RAD 342 Radiographic Procedures II	2		
RAD 343 Radiographic Procedures III	2		
RAD 345 Rad. Image Evaluation I	2		
RAD 404 Quality Assurance	3		
RAD 407 Radiation Biology	2		
RAD 411 Methods of Patient Care II	1		
RAD 431 Radiologic Physics II	3		
RAD 433 Prin. of Rad. Exposure III	2		
RAD 434 Prin. of Rad. Exposure IV	3		
RAD 441 Radiographic Procedures III	3		
RAD 442 Radiographic Procedures IV	3		
RAD 445 Rad. Image Evaluation II	1		
RAD 450 Senior Seminar	2		
RAD 451-456 Clinical Practicum	18		
TOTAL SPECIALIZATION CREDITS		69	

Student must provide a copy of the hospital program acceptance letter to advising office for specialization to be added for all areas except MLS. This will affect registration.

***All students applying to **HTL, NMT or RAD** programs must complete a graduation audit with their SHS academic adviser before applying to these programs.

Students pursuing specializations in HTL, NMT or RAD must complete a minimum of 136 credits; while MLS and Pre-Professional require a minimum of 128 credits.