

# UNIVERSITY FACULTY SENATE FORMS

## Academic Program Approval

This form is a routing document for the approval of new and revised academic programs. Proposing department should complete this form. For more information, call the Faculty Senate Office at 831-2921.

Submitted by: Anna Ciulla phone number x8595

Department: Medical Laboratory Sciences email address aciulla@udel.edu

Date: 11/27/12

Action: add concentration

(Example: add major/minor/concentration, delete major/minor/concentration, revise major/minor/concentration, academic unit name change, request for permanent status, policy change, etc.)

### Effective

term 13F  
(use format 04F, 05W)

Current degree BS  
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed change leads to the degree of: BS  
(Example: BA, BACH, BACJ, HBA, EDD, MA, MBA, etc.)

Proposed name: Pre-Physician Assistant Concentration  
Proposed new name for revised or new major / minor / concentration / academic unit  
(if applicable)

### Revising or Deleting:

Undergraduate major / Concentration: Medical Diagnostics – Pre-Physician Assistant (BS)  
(Example: Applied Music – Instrumental degree BMAS)

Undergraduate minor: \_\_\_\_\_  
(Example: African Studies, Business Administration, English, Leadership, etc.)

Graduate Program Policy statement change: \_\_\_\_\_  
(Must attach your Graduate Program Policy Statement)

Graduate Program of Study: \_\_\_\_\_  
(Example: Animal Science: MS Animal Science: PHD Economics: MA Economics: PHD)

Graduate minor / concentration: \_\_\_\_\_

**Note: all graduate studies proposals must include an electronic copy of the Graduate Program Policy Document, highlighting the changes made to the original policy document.**

**List new courses required for the new or revised curriculum. How do they support the overall program objectives of the major/minor/concentrations)?**

(Be aware that approval of the curriculum is dependent upon these courses successfully passing through the Course Challenge list. If there are no new courses enter "None")

None.

**Explain, when appropriate, how this new/revised curriculum supports the 10 goals of undergraduate education: <http://www2.udel.edu/gened/>**

1. Attain effective skills in oral and written communication, quantitative reasoning, and the use of information technology. (Second writing course, MATH, STAT 408)
2. Engage questions of ethics and recognize responsibilities to self, community, and society at large. (HLTH 241)
3. Develop the intellectual curiosity, confidence, and engagement that will lead to lifelong learning. (MEDT 462)
4. Develop the ability to integrate academic knowledge with experiences that extend the boundaries of the classroom. (MEDT 462)
5. Utilize scientific principles as applicable for the healthcare arena and apply such to thinking critically for the purpose of problem solving. (MEDT courses)

**Identify other units affected by the proposed changes:**

(Attach permission from the affected units. If no other unit is affected, enter "None")

Support comments attached from:

Psychology

Behavioral Health and Nutrition

**Describe the rationale for the proposed program change(s):**

(Explain your reasons for creating, revising, or deleting the curriculum or program.)

This proposed concentration within the existing medical Diagnostics major is specifically tailored to well-prepare students for subsequent application to physician assistant programs. We have evaluated the prerequisite courses required by numerous physician assistant programs and have embedded them among the requirements for the concentration.

The demand for physician assistants has grown tremendously in the past ten years, and the U.S. Bureau of Labor Statistics projects a 30 percent increase in positions between 2010 and 2020. This is a much greater than average rate of increase, with the nation's aging population expected to require a greater number of primary healthcare providers in the future. Physician assistants will be among those filling this role.

We propose launching the described concentration of Pre-Physician Assistant in Fall 2013. This concentration is a rigorous curriculum that will prepare students for graduate education as a physician assistant through the completion of a four-year major.

**Program Requirements:**

(Show the new or revised curriculum as it should appear in the Course Catalog. If this is a revision, be sure to indicate the changes being made to the current curriculum and include a side-by-side comparison of the credit distribution before and after the proposed change.)

**PRE-PROFESSIONAL CONCENTRATION FOR PHYSICIAN ASSISTANT****DEGREE: BACHELOR OF SCIENCE****MAJOR: MEDICAL DIAGNOSTICS****CONCENTRATION: PRE-PHYSICIAN ASSISTANT**

The concentration in Pre-Physician Assistant is designed to include the course prerequisites required for admission to physician assistant graduate programs. Completion of the concentration does not guarantee entry into a physician assistant program. Students should familiarize themselves with the requirements of physician assistant programs to which they may apply.

**CURRICULUM****CREDITS****UNIVERSITY REQUIREMENTS**

ENGL 110 Critical Reading and Writing (Minimum grade of C-) 3

First Year Experience (FYE)

- MEDT 100 Introduction to Medical Laboratory Science (required major course)

Discovery Learning Experience (DLE)

- MEDT 462 (required major course)

Multi-cultural Course

- Choose from Approved List (One of the courses taken to satisfy the breadth requirements also may satisfy the multicultural course requirement.)

**University Breadth Requirements (Minimum grade of C-)**

Creative Arts and Humanities

- HLTH 241 Ethical Aspects of Healthcare (required major course)

History and Cultural Change

- Choose From Approved List 3

Social and Behavioral Sciences

- PSYC 100 General Psychology (required major course)

Math, Natural Science & Technology

- NTDT 200 Nutrition Concepts (required major course)

**Additional Breadth Requirements**

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

Creative Arts and Humanities 3

History and Cultural Change 3

Social and Behavioral Sciences 3

**MAJOR REQUIREMENTS (96-97 credits) (Minimum grade of C- in each MEDT course)**

Second Writing Course (Minimum grade of 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. (One of the courses taken to satisfy the breadth requirements also may satisfy the second writing course requirement. See list of courses approved for second writing requirement.)

BISC 207

Introductory Biology I

4

BISC 208	Introductory Biology II	4
BISC 300	Introduction to Microbiology	4
BISC 401	Molecular Biology of the Cell	3
BISC 403	Genetic and Evolutionary Biology	3
CHEM 103	General Chemistry	4
CHEM 104	General Chemistry	4
CHEM 321	Organic Chemistry	4
CHEM 322	Organic Chemistry	4
CHEM 214	Elementary Biochemistry	3
ENGL	Any English course at the 200-level or above. (Many English courses also can satisfy the Creative Arts and Humanities breadth requirement.)	3
HLTH 241	Ethical Aspects of Healthcare	3
KAAP 309	Human Anatomy and Physiology I	4
KAAP 310	Human Anatomy and Physiology II	4
One of the following MATH courses:		3-4
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)	
MATH 241	Analytic Geometry and Calculus A (4)	
NTDT 200	Nutrition Concepts	3
PSYC 100	General Psychology	3
STAT 408	Statistical Research Methods I	3
MEDT 100	Introduction to Medical Laboratory Science	1
MEDT 200	The Language of Medicine	3
MEDT 360	Clinical Immunology & 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	3
MEDT 462	Experiential Learning	3

- (200 hours of physician assistant shadowing are suggested but not required for graduation. Shadowing hours may be used to fulfill requirements for MEDT 462.)

### ELECTIVES

In addition to required courses, sufficient electives must be taken to meet the minimum credits required for the degree.

**CREDITS (4-YEAR MAJOR) TO TOTAL A MINIMUM OF 120**

### ROUTING AND AUTHORIZATION: (Please do not remove supporting documentation.)

Department Chairperson Huey-Jen Lin Augustine Date 2/4/13  
Dean of College Susan J. Hall Date 2/4/13  
Chairperson, College Curriculum Committee Chad Date 2/4/13  
Chairperson, Senate Com. on UG or GR Studies \_\_\_\_\_ Date \_\_\_\_\_  
Chairperson, Senate Coordinating Com. \_\_\_\_\_ Date \_\_\_\_\_  
Secretary, Faculty Senate \_\_\_\_\_ Date \_\_\_\_\_

Date of Senate Resolution \_\_\_\_\_ Date to be Effective \_\_\_\_\_

Registrar \_\_\_\_\_ Program Code \_\_\_\_\_ Date \_\_\_\_\_

Vice Provost for Academic Affairs & International Programs \_\_\_\_\_ Date \_\_\_\_\_

Provost \_\_\_\_\_ Date \_\_\_\_\_

Board of Trustee Notification \_\_\_\_\_ Date \_\_\_\_\_

Revised 02/09/2009 /khs