

# 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. A [checklist](#) is available to assist in the preparation of a proposal. For more information, call the Faculty Senate Office at 831-2921.

**Submitted by:** Michelle A. Parent, PhD phone number x8591

**Department:** Medical Laboratory Sciences email address mparent@udel.edu

**Date:** October 22, 2013

**Action:** Add 9 credit certificate program.  
(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** Fall 2014  
(use format 04F, 05W)

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

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

**Proposed name:** Molecular Diagnostics Certificate Program  
Proposed new name for revised or new major / minor / concentration / academic unit (if applicable)

### Revising or Deleting:

**Undergraduate major / Concentration:** \_\_\_\_\_  
(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

MEDT500 GENETICS & MOLECULAR DIAGNOSTICS FOR THE CLINICAL LABORATORY  
MEDT501 MOLECULAR DIAGNOSTICS  
MEDT502 APPLICATION OF MOLECULAR DIAGNOSTICS TECHNIQUES

This certificate program is open to junior and senior students in an appropriate science-based program of study or with permission of the Department. Additionally, experienced Medical Laboratory Scientists, not exposed to the topics of Molecular Diagnostics, Genetics and Molecular techniques during their education, may enroll in this program. This program will contribute to the health sciences body of knowledge utilizing both basic and clinical topics.

**Supply support letter from the Library, Dean, and/or Department Chair if needed**  
(all new majors/minors will need a support letter from the appropriate administrator.)

**Supply a resolution for all new majors/programs; name changes of colleges, departments, degrees; transfer of departments from one college to another; creation of new departments; requests for permanent status. [See example of resolutions.](#)**  
NA

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

Employing engaging teaching strategies, these courses will motivate students to: #2 learn to think critically to solve problems. #3 be able to work and learn both independently and collaboratively. #5 understand the diverse ways of thinking that underline the search of knowledge in the arts, humanities, sciences and social sciences. #6 develop the intellectual curiosity, confidence and engagement that will lead to lifelong learning.

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

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

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

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

Currently, 85% of all newly integrated testing in the clinical laboratory is based upon molecular principles and theories. This increase in molecular technique use is also applicable to the research laboratory. Therefore, these courses provide upper level undergraduates along with the mature, currently practicing clinical laboratory scientist a mechanism by which to be enhance their experience and knowledge in the topic area.

**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.) [See example of side by side.](#)

MEDT500 GENETICS & MOLECULAR DIAGNOSTICS FOR THE CLINICAL LABORATORY	3 credits
MEDT501 MOLECULAR DIAGNOSTICS	3 credits
MEDT502 APPLICATION OF MOLECULAR DIAGNOSTICS TECHNIQUES	<u>3 credits</u>
	<b>9 credits</b>

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

Department Chairperson *Angela* Date 10/29/13  
Dean of College *Susan J. Hall* Date 11/25/13  
Chairperson, College Curriculum Committee \_\_\_\_\_ Date \_\_\_\_\_  
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 \_\_\_\_\_