

UNIVERSITY FACULTY SENATE FORMS

Academic Program Approval

REVISED

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: **Steven E. Hastings**

phone number: **1318**

Department: **Applied Economics and Statistics (APEC)** email address: **hastings@udel.edu**

Action: **Create New Minor: Statistical Data Analytics**

Effective term: **14F**

Current degree:

Proposed change leads to the degree of:

Proposed name: **Statistical Data Analytics**

Revising or Deleting:

Undergraduate major / Concentration:

Undergraduate minor: **Statistical Data Analytics**

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: _____

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")

No new courses required.

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.)

The Dean and Department Chair have signed the proposal.

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/>

Goal # 1 - Attain effective skills in (a) oral and (b) written communication, (c) quantitative reasoning, and (d) the use of information technology is supported by enhancing the creation of this minor.

Identify other units affected by the proposed changes:

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

The Deans of the Lerner and Engineering Colleges had concerns re original title, but have approved a revised title.

From: Fred Hofstetter

Date: 04/29/2014 8:35 PM (GMT-05:00)

To: "Rieger, Mark"

Cc: "Hastings, Steven E" , "Awokuse, Titus O" , "Wright, Diane L"

Subject: Re: Data Analytics Minor

Bruce Weber and Babatunde Ogunnaike have both approved the name Statistical Data Analytics.

Steve, please make this change in your proposal and then email the revised proposal to both me and Karren asking to have this revision replace the copy currently on the May 5 Faculty Senate agenda.

Hurray!

Fred :)

APEC has agreed via email to work with them in the future on related programs.

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

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

More "data" exists today than ever before. Students in all professions will be faced with managing and analyzing data on a day to day basis. Applied Economics and Statistics offers numerous courses that can prepare them to meet this growing requirement in their professional lives.

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.)

MINOR in Data Analytics

The minor in Data Analytics requires 18 credits. Students must complete APEC 135 (Introduction to Data Analysis) and STAT 200 (Basic Statistical Practice) before applying for the minor. Four additional courses (or their equivalents) are required to be selected from the following:

APEC 335 - Advanced Data Analysis

APEC 409/609 - Surveys and Economic Experiments

APEC 480 - Geographic Information Systems in Natural Resource Management
APEC 429 – Community Economic Development
STAT 408/608 - Statistical Research Methods
STAT 409 - Regression and Experimental Design
STAT 474 - Applied Database Management

Notes: the existing cross-listing of APEC 408 and STAT 408 is being deleted in the current course revision cycle. The name and content of APEC 409/609 are being revised in the current course revision cycle.

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

Department Chairperson _____ Date _____

Dean of College _____ Date _____

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 _____

Revised 10/23/2007 /khs