

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: David A. Barlow phone number: 302 831-3030

Department: CAS Medical Scholars Program email address: barlow@udel.edu

Date: October 14, 2013

Action: Create a “PREMEDICAL POST BACCALAUREATE UNDERGRADUATE CERTIFICATE PROGRAM (PMPB)”

Effective term: 14F

Current degree: N/A (Non-degree Certificate Program Proposal)

Proposed change leads to a: Certificate of Excellence in Premedical Health Studies

Proposed name: Premedical Post Baccalaureate Undergraduate Certificate Program (PMPB)

Revising or Deleting: N/A

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.
N/A

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://www.ugs.udel.edu/gened/>

This unique certificate program is designed for those exceptional few individuals who have previously completed a bachelor's degree in a non-science related field but who now want to fulfill the requirements for admission into medical/other health profession programs. They seek to **acquire effective skills and knowledge** that would enable them to address the core prerequisite requirements of such programs. They need to **acquire critical thinking skills** and to **collaboratively solve problems** related to the various health professions as members of highly integrated medical support teams. This post graduate exposure to undergraduate premedical/health profession studies provides for **a balance between the sciences, medical humanities, health policy, and professional studies**. This preparation for careers in health professions requires **a system of moral principles** that apply values and judgments to the practice of medicine. The first four General Education Goals required for success certainly are strongly expressed in this proposed PMPB.

Identify other units affected by the proposed changes:

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

Depending upon the undergraduate background/transcript, the PMPB could require up to 41 undergraduate credit hours which may include courses in the Biological Sciences, Chemistry & Biochemistry, Physics, Sociology, Mathematics, Philosophy, and Psychology Departments. Additional elective courses would be recommended and may come from History, Women's Studies, Business Administration, Behavioral Health and Nutrition, Medical Laboratory Science, Human Development & Family Studies, and others.

Specific science Core Prerequisite requirements for medical school affecting academic units at the UD would include:

- BISC 207 - Introductory Biology I
- BISC 208 - Introductory Biology II
- CHEM 103 - General Chemistry
- CHEM 104 - General Chemistry
- CHEM 321 - Organic Chemistry & Lab
- CHEM 322 - Organic Chemistry & Lab
- CHEM 527 - Introduction to Biochemistry
- PHYS 201 - Introductory Physics I
- PHYS 202 - Introductory Physics II
- PSYC 100 - Introduction to Psychology

With recommendations for two of the following:

- BISC 305 - Cell Physiology
- BISC 306 - General Physiology
- BISC 401 - Molecular Biology of the Cell
- BISC 403 - Genetic and Evolutionary Biology

Note: Appropriate course work for those individuals lacking prior work in the Medical Humanities, Mathematics, Medical Practica, Bioethics, Behavioral Health and Nutrition, and formalized MCAT preparation may round out this PMPB.

Besides regular course work, note that students will be provided extensive individualized advisement, elective course recommendations, faculty mentoring, seminars by health professionals, opportunities for medical practica, career guidance, professional school selection advice, resume preparation guidance, essay writing recommendations, peer group support, post baccalaureate student community involvement, MCAT preparation courses, area medical school field trips, and mock interview training.

The following endorsements/approvals for the proposed PMPB have been acquired:
Advisory Board, Center for Premedical/Health Profession Studies (See Attachment)
Deborah Benvenger, Director of Admissions, Philadelphia College of Osteopathic Medicine
(See Attachment)

College of Health Sciences:

Department of Behavioral Health & Nutrition (See Attachment)

College of Arts & Sciences:

Department of Biological Sciences (Awaiting Approval)

Department of Chemistry and Biochemistry (See Attachment)

Department of Mathematics (See Attachment)

Department of Philosophy (See Attachment)

Department of Physics and Astronomy (See Attachment)

Department of Psychology (See Attachment)

Department of Sociology (See Attachment)

Senior Associate Dean-Natural Sciences (See Attachment)

Describe the rationale for the proposed program:

The rationale for the addition of the Pre-Medical Post-Baccalaureate Program to the University of Delaware involves the following:

The Medical Scholars Program, Center for Premedical/Health Profession Studies, Admissions Office, and Life/Physical Science academic units/advisors receive inquiries from prospective students regarding the availability of courses for pre-medical education. Without any structured program or marketing, it is estimated that as many as ten to fifteen post baccalaureate students enrolled in our courses (CEND) in the past academic year alone. In addition, an examination of the American Association of Medical Colleges (AAMC) indicate that there are a total of 32 programs located in nearby Pennsylvania, Maryland, and New Jersey while no such programs exist in Delaware (<https://services.aamc.org/postbac/>). In the Philadelphia area alone there are a total of 9 such programs.

Without question this proposed program reflects one of the university's core values of responding to the demographic, economic and social demands for quality healthcare in the State of Delaware. Students who have majored in disciplines other than those related to medicine and other fields, and who have decided to pursue a medical career, will benefit from this program. Given the shortage of medical professionals, particularly in primary care medicine, this program provides an organized and quality approach to address this need in Delaware.

The University of Delaware is recognized throughout the State as having high quality science faculty, academic programs, and exceptional facilities. While many post baccalaureate students following self-prescribed programs of study have been successful in achieving health profession education, the degree of success could be significantly enhanced as demonstrated by the highly successful Philadelphia area PMPB programs.

Program Requirements/Details:

(See Attached Proposal)

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 02/09/2009 /khs

CENTER FOR PREMEDICAL/HEALTH PROFESSION STUDIES (CPHPS)

ADVISORY BOARD MEETING MINUTES

Wednesday, September 25th, 2013

1:30-3:15PM

401 Academy Street

Members Present:

David A. Barlow, Ex Official
Deborah Benvenger
Douglas Doren
William Farquhar
Jill Higginson
Don Lehman,
Barret Michalec, Co-Chair
Flo Schmiege
David Usher
Patricia Walsh, Co-Chair
Susan Zern

Recorder:

Laura Pawlowski

1. Meeting Commencement/Opening Remarks

- a. Welcoming remarks were provided by David Barlow.
- b. The Advisory Board Meeting minutes of 6-7-13 were seconded and approved by board members present.

2. Individual Introductions

New Advisory Board members attending for the first time this academic year were introduced and recognized with formal certificates of appointment.

3. Progress Update

- a. The **newly released website** for the Center for Premedical/Health Profession Studies was briefly presented to the Board members (<https://www.udel.edu/premed/>). The Director asked members to feel free to periodically review this site at any time and to offer any suggestions/recommendations for its maintenance or content. It was noted that highly valuable and significant content input for this website was provided by members who attended the June meeting this past summer.
- b. With the assistance of the Procurement Office, a 4-year agreement has been reached between the University of Delaware (CPHPS) and Kaplan to provide significantly discounted **on-campus MCAT/GRE Test Preparation Programs**. It was announced, commencing this fall that Kaplan will offer heavily discounted GRE preparation courses to students in the workshop/conference rooms of the Career Services Center. Discounted MCAT preparation courses will commence in January of 2014. It was stressed that this agreement with Kaplan could likely extend to other health profession standardized tests, such as the DAT, providing sufficient student interest and demand existed on campus. It was pointed out that Kaplan offers free DAT preparation courses to UD student athletes in an agreement with the NCAA. Announcement of these cost reduced programs has been made on the home page of the CPHPS website.
- c. The Career Services Center powerful student monitoring, advisement, and record keeping software called "**Symplicity**" has been adopted by the CPHPS. This will significantly enhance the CPHPS record keeping and tracking of student progress and preparation for health profession programs of study.

4. Advisory Board Considerations

- a. The Advisory Board "By-Laws", as previously accepted at the June 6, 2013 meeting, were discussed noting that the CPHPS Director was permitted to make nominations/appointments in consultation and approval of the Board.

- b. **Professor's Barret Michalec and Patricia Walsh** accepted nominations by the CPHPS Director to serve as the first Co-Chairs of the Advisory Board. Members present gave their unanimous support/approval appointing these two members to that role with Professor Michalec to serve the first of a two year appointment and Professor Walsh to serve the second year of a two-year appointment. Note, according to the By-Laws, Co-Chairs were limited to terms of two non-simultaneously occurring years.
 - c. The Board was asked to consider the designation of selected UD medical professional alumni to serve in an **"Alumni Advisory or Affiliate Role"** where they could be called upon to mentor students living in their geographic areas, provide shadowing/ volunteering opportunities, come to campus as distinguished guest speakers, and generally support the varied activities/programs of the CPHPS/MSP. It was the consensus of the Board that this would be useful in re-connecting health profession alumni with the UD/CPHPS and could possibly serve as a Development Office source for future gifts and capital campaign donors.
 - d. The CPHPS Director indicated that efforts were underway with the **support of the Development Office (Ms. Dana Raftas)** to identify potential sources for gifts both small and large that would help sponsor student programs by the Center. Initial results since this past August have initially identified gifts currently totaling over \$50,000.
5. **Center Developments/Proposals**
- a. **The Advisory Board unanimously supported a recommendation to hire a Health Professions Advisor (HPA) in support of the goals and responsibilities of the CPHPS.** It was stressed that a strong focus of the "Center" not only involves support of the various pathways for premedical studies but also involves advisement/referral services for students pursuing professions in other health related professions. Therefore the HPA guides and supports a community of pre-health professions students in their academic and extracurricular preparation to enter medical, dental, or other healthcare professions programs. Under the supervision of the Center Director, the HPA provides pre-health professions advisement for students and alumni from all majors interested in pursuing a graduate/professional degree in the health professions. The HPA also assists with program development, management, and evaluation, including workshops, presentations, scholastic outreach activities, and recruitment activities. In addition the HPA would serve to coordinate and develop peer mentoring programs designed to support pre-professional studies students. This would include selection, training, and supervision of up to 10+ mentors yearly. It was noted that the CPHPS Director could not assume all of these responsibilities in addition to his role as Center Director. It was stressed that at institutions where HPA's were available, student success in gaining acceptance into professional programs of study were significantly enhanced.
 - b. **Curricular revisions/changes to the Medical Scholars Program** of study in the CAS were reviewed and recommended for approval by the Board.
 - c. The CPHPS Director submitted a proposal to support the creation of a **"Premedical/Health Professions Living Learning Community (LLC)"** that would take place in the George Reed Residence Hall to be co-located with the Biology Department LLC commencing in the fall of 2014. Since this LLC would closely interact with and support students in the Biology LLC who possessed an interest in the pursuit of various health professions, this program would be designed to address the interests of all other students representing majors such as Exercise Science, Biomedical Engineering, Health Behavior Science, Nutritional Sciences, Medical Diagnostics, Nursing, Animal Science, and others. The Advisory Board gave its full endorsement to this proposal.
 - d. **A proposed "Premedical Post Baccalaureate Certificate Program (PMPB)" received enthusiastic support from the Board recommending approval and implementation.** It was noted that the PMPB would be designed for those qualified students who have previously completed a bachelor's degree in a non-science related field coming from any accredited institution but now want to fulfill the requirements for admission to medical/other health profession schools. This type of PMPB is typically referred to as a "Career Changer" post baccalaureate of which the AAMC lists 95 such programs nationally with 21 such programs identified in the nearby States of MD, PA, and NJ. There are no post-baccalaureate programs of any kind in DE. The Advisory Board urged the CPHPS Director to move forward with this proposal to establish a PMPB at UD that would serve alumni and graduates from other institutions in DE and surrounding communities who wish to pursue health profession careers.
 - e. The Board briefly reviewed a proposed **Memorandum of Understanding (MOU) between the University of Delaware and Saint George's University Limited on the island of Grenada in the West Indies.** The purpose of this MOU would be to offer qualified UD students the opportunity to pursue a career in medicine or veterinary medicine at St. George's University. In the program



established by such an agreement, students would begin their studies at the University of Delaware. After successfully completing four (4) years of undergraduate study at the University of Delaware, and meeting the requirements for promotion (baccalaureate degree), qualified students who meet the standards of admission at SGU will proceed to Grenada and enter the first year of SGU School of Medicine or SGU School of Veterinary Medicine. Several Board members voiced strong support for the establishment of this and other MOU's with medical schools within the Delaware Valley region. It was noted that the agreement with Thomas Jefferson University and UD in 1993 led to the creation of the small but successful College of Arts & Sciences "Medical Scholars Program". No other MOU's/agreements have been instituted since that time. Some members expressed an interest in pursuing an affiliation with the Philadelphia College of Osteopathic Medicine (PCOM) and perhaps others in the near future as well.

- f. **The Board recommended that the CPHPS work with the UD Institute for Global Studies to establish a two-week long registration program with the MED VET Summer Leadership Academy at St. George's University in June, 2014.** This program will support a minimum of 18 pre-medical/pre-vet students who wish to pursue careers in the various health professions. Participants will experience the nature and demands of a rigorous professional medical education while having just the right blend of island recreational activities. It was noted that this program would teach students in ways no textbook could. This summer academy provides a healthy combination of lectures, group problem-solving sessions, practical/clinical lab work, and hands-on training through simulated and real-life leadership situations. Located on a safe and peaceful Caribbean island, SGU has a breathtaking campus that includes state-of-the-art laboratories, a 45,000 square-foot library, athletic center, food court, cafeteria, modern dormitories, and miles and miles of white sandy beaches with time for fun in the sun. The CPHPS Director was given the go ahead to work with IGS to arrange this experience for UD students pursuing pre-medical studies

Date of Next Board Meeting?

- a. The Board did not set a spring meeting date at this time. Members stressed however that the spring date should be set as early as possible to enable members to obtain scheduling priority.
- b. It was suggested that a date and time should be announced late this fall or in January, 2014 at the latest.
- c. While future agenda items were not suggested, members were encouraged to forward any recommendations directly to our newly designated Advisory Board Co-Chairs or to the CPHPS Director.

Respectfully Submitted: Barret Michalec/Patricia Walsh, Co-Chairs

From: Deborah Benvenger <deborahbe@pcom.edu>
Sent: Thursday, October 24, 2013 10:13 AM
To: Barlow, David A
Subject: Re: Premedical Post Baccalaureate Certificate Program?

PCOM

Hi David -

Greetings from cold (and almost snowy!) Pittsburgh. I'm at the airport waiting for my flight to Atlanta as I'll be at our Georgia Campus for the next several days.

It would be a pleasure to endorse this endeavor at the University of Delaware. It would also be a pleasure to enter into a discussion regarding an affiliation agreement between UDel and PCOM.

Please let me know if you require additional information to move this forward at your institution. This academic opportunity would be invaluable!

Regards,
Debbie

On Tuesday, October 22, 2013, Barlow, David A wrote:

TO: Deborah Benvenger, MBA, Director of Admissions
Philadelphia College of Osteopathic Medicine (deborahbe@pcom.edu)

RE: Request for Endorsement of a proposed **Premedical Post Baccalaureate Undergraduate Certificate Program** (Please see Attachments)

Dear Ms. Benvenger:

The Medical Scholars Program in the College of Arts & Sciences with the support of the Center for Premedical/Health Profession Studies is seeking to create a **Premedical Post Baccalaureate Certificate Program (PMPB)** for those exceptional few individuals who previously completed a bachelor's degree in a non-science field at a high level but who now want to fulfill the core prerequisite requirements for medical/health profession programs. We feel that this proposed PMPB addresses one of the university's core values of responding to the demographic, economic and social demands for quality healthcare in the State of Delaware. Currently there are no such programs in Delaware while 32 such programs exist in neighboring regions.

From: P Peterson <pmpeter@UDel.Edu>
Sent: Monday, October 28, 2013 11:20 AM
To: Barlow, David A
Subject: Premedical Post Baccalaureate Undergraduate Certificate Program

BHAN

Dr. Barlow,

This email serves to confirm my support for and endorsement of the proposed Premedical Post Baccalaureate Undergraduate Certificate Program. As stated in the proposal, Department of Behavioral Health and Nutrition courses may be used to round out the curriculum of students lacking specific course work in our area. As Chair, I fully support providing students in this certificate program access to necessary course work offered by our department.

This proposal provides a positive and necessary step in preparing students for the medical and health professions. If I can be of any further assistance please do not hesitate to contact me.

Sincerely,

Michael Peterson Ed.D.
Professor and Chair
Department of Behavioral Health and Nutrition
University of Delaware
pmpeter@udel.edu
302-831-1014

From: Murray Johnston <mvj@UDel.Edu>
Sent: Wednesday, October 23, 2013 10:20 AM
To: Barlow, David A
Cc: Burmeister, John L
Subject: Re: Premedical Post Baccalaureate Certificate Program

CHEM

Categories: Orange Category

David,

The Chemistry and Biochemistry Department is happy to support your proposal for the post baccalaureate certificate program, and we should be able to accommodate the additional students in our requisite courses. If this email does not suffice, I can draft a formal letter.

Best,
Murray

Murray V. Johnston
Professor and Chair
Department of Chemistry and Biochemistry
University of Delaware
Newark, DE 19716

Office: Brown Laboratory, Room 102C
Phone: 302.831.1247
Fax: 302.831.6335
Email: mvj@udel.edu
Internet: www.udel.edu/chem/johnston/

On 10/22/13 4:19 PM, Barlow, David A wrote:

TO: Murray Johnston (mvj@udel.edu)
Chair, Department of Chemistry and Biochemistry

CC: John Burmeister (jilburm@udel.edu)

RE: Request for Support of a proposed **Premedical Post Baccalaureate Undergraduate Certificate Program** ([Please see Attachments](#))

Dr. Johnston:

The Medical Scholars Program in the College of Arts & Sciences is seeking to create a **Premedical Post Baccalaureate Certificate Program (PMPB)** for those exceptional few individuals who previously completed a bachelor's degree at a high level in a non-science field but who now want to fulfill the core prerequisite requirements for medical/health profession programs. Currently there are no such programs in the State of Delaware while 32 such programs exist in neighboring states with 9 in the Philadelphia alone. Dependent upon undergraduate history, this PMBP may require a number of these students to enroll in Chemistry courses (CHEM 103, 104, 321, 322, and 527).

In preparation for submission of the attached proposal to the CAS Educational Affairs Committee/CAS Faculty Senate we are seeking your support. I would be happy to address any questions or concerns at your convenience. Thank you in advance for consideration of this proposed certificate program.

David A. Barlow, Director

From: John A. Pelesko <pelesko@math.udel.edu>
Sent: Tuesday, October 22, 2013 8:40 PM
To: Barlow, David A
Subject: Re: Premedical Post Baccalaureate Certificate Program

MATH

Categories: Orange Category

Hi David,

That's an interesting program and I have no problem with adding these students to any courses of ours they might need. My only concern is around their math background. Will you be expecting these students to take the math placement exam? It's a little odd, I understand these are likely older students who probably had math in college already. I'm only concerned about putting them in something like Math 241 if they are very rusty on their algebra.

Best,

John

On 10/22/2013 4:22 PM, Barlow, David A wrote:

TO: John Pelesko (Pelesko@math.udel.edu)
Chair, Department of Mathematics

CC: Jan Burns (Burns@math.udel.edu)

RE: Request for Support of a proposed **Premedical Post Baccalaureate Undergraduate Certificate Program** ([Please see Attachments](#))

Dr. Pelesko:

The Medical Scholars Program in the College of Arts & Sciences with the support of the Center for Premedical/Health Profession Studies is seeking to create a **Premedical Post Baccalaureate Certificate Program (PMPB)** for those exceptional few individuals who previously completed a bachelor's degree in a non-science field but who now want to fulfill the core prerequisite requirements for medical/health profession programs. Currently there are no such programs in the State of Delaware while 32 such programs exist in neighboring states with 9 in the Philadelphia alone. Obviously this PMPB, dependent upon undergraduate transcripts, may require on occasion a few post graduate students to enroll in a calculus based math course (MATH 221 or 241) as part of this certificate program.

In preparation for submission of the attached proposal to the CAS Educational Affairs Committee/CAS Faculty Senate we are seeking your support. I would be happy to address any questions or concerns at your convenience. Thank you in advance for consideration of this proposed certificate program.

David A. Barlow, Director
CAS Medical Scholars Program
Center for Premedical/Health Profession Studies
PH: 831-3030

From: George Draper <kai@UDel.Edu>
Sent: Wednesday, October 23, 2013 9:39 AM
To: Barlow, David A
Subject: Re: Premedical Post Baccalaureate Certificate Program
Categories: Orange Category

PHIL

Dear Dr. Barlow

The Philosophy Department would have no difficulties accommodating the post-graduate students that might need to take one of our courses. Moreover, the proposed program seems to be one that is needed and so has my endorsement and full support.

Best, Kai Draper

On Wed, Oct 23, 2013 at 8:34 AM, Barlow, David A <barlow@udel.edu> wrote:

TO: Kai Draper (kai@udel.edu)
Chair, Department of Philosophy

RE: Request for Support of a proposed **Premedical Post Baccalaureate Undergraduate Certificate Program** (Please see Attachment)

Dr. Draper:

The Medical Scholars Program in the College of Arts & Sciences with the support of the Center for Premedical/Health Profession Studies is seeking to create a **Premedical Post Baccalaureate Certificate Program (PMPB)** for those exceptional few individuals who previously completed a bachelor's degree in a non-science field at a high level but who now want to fulfill the core prerequisite requirements for medical/health profession programs. Currently there are no such programs in the State of Delaware while 32 such programs exist in neighboring states with 9 in the Philadelphia area alone. Obviously this PMPB may require on occasion a few post graduate students to seek enrollment in medical humanities/bioethics based courses offered by your department (ie, PHIL 202, 203, 241, 246, 389, and/or 444).

In preparation for submission of the attached proposal to the CAS Educational Affairs Committee/ Faculty Senate we are seeking your support. I would be happy to address any questions or concerns at your convenience. Thank you in advance for consideration of this proposed certificate program.

From: Nowak, Edmund R
Sent: Wednesday, October 23, 2013 3:18 PM
To: Barlow, David A
Subject: RE: Premedical Post Baccalaureate Undergraduate Program

Hi David,

You have my support on this certificate program. I encourage you to consider adding MATH117 to the list of core prereq courses on page 4. The reason being that the last math course many of these students took may be so long ago that they are no longer sufficiently proficient. From our experience students not having taken a math course recently have difficulty in courses such as PHYS201/202. The situation is likely to be the same for CHEM courses.

Best,
Ed

From: Barlow, David A
Sent: Wednesday, October 23, 2013 8:56 AM
To: Nowak, Edmund R
Subject: Premedical Post Baccalaureate Undergraduate Program

TO: Edmund R. Nowak (nowak@udel.edu)
Chair, Department of Physics and Astronomy

RE: Request for Support of a proposed **Premedical Post Baccalaureate Undergraduate Certificate Program** (Please see Attachment)

Dr. Nowak:

The Medical Scholars Program in the College of Arts & Sciences with the support of the Center for Premedical/Health Profession Studies is seeking to create a **Premedical Post Baccalaureate Undergraduate Certificate Program (PMPB)** for those exceptional few individuals who previously completed a bachelor's degree in a non-science field at a high level but who now want to fulfill the core prerequisite requirements for medical/health profession programs. Currently there are no such programs in the State of Delaware while 32 such programs exist in neighboring states with 9 in the Philadelphia area alone. Obviously this PMBP, dependent upon a review of undergraduate transcripts, may require a few post graduate students to enroll in physics based courses (specifically PHYS 201 & 202).

In preparation for submission of the attached proposal to the CAS Educational Affairs Committee/CAS Faculty Senate we are seeking your support. I would be happy to address any questions or concerns at your convenience. Thank you in advance for consideration of this proposed certificate program.

David A. Barlow, Director
CAS Medical Scholars Program
Center for Premedical/Health Profession Studies
PH: 831-3030
Email: Barlow@udel.edu

From: Robert F Simons <rsimons@psych.udel.edu>
Sent: Sunday, October 27, 2013 3:13 PM
To: Barlow, David A
Subject: Re: Premedical Post Baccalaureate Certificate Program

I approve. By the way, our Intro Course is PSYC100, not 201. We changed sequence numbers a few years ago.

On Oct 27, 2013, at 2:38 PM, "Barlow, David A" <barlow@UDel.Edu>> wrote:

Robert, This is a follow-up to my email request of Oct. 23rd seeking PSYC approval of our proposed Certificate Program for Post Bac students pursuing a career change into the healthcare field. Hopefully there is no confusion between this proposal and the requested revision to our CAS Medical Scholars Program which you previously approved. Please email or call if there are any questions. Thank you again for any consideration given this request. Dave Barlow

David A. Barlow, PhD, Director
Center for Premedical/Health Profession Studies University of Delaware
401 Academy Street
Newark, DE 19716
PH: 302 831-3030
FAX: 302 831-4034
Website: <http://www.udel.edu/premed/><<http://www.udel.edu/premed/>>

From: Barlow, David A
Sent: Wednesday, October 23, 2013 8:59 AM
To: Simons, Robert F
Subject: Premedical Post Baccalaureate Certificate Program

TO: Robert F. Simons (rsimons@udel.edu<<mailto:rsimons@udel.edu>>)
Chair, Department of Psychology

RE: Request for Support of a proposed Premedical Post Baccalaureate Undergraduate Certificate Program (Please see Attachment)

Dr. Simons:

The Medical Scholars Program in the College of Arts & Sciences with the support of the Center for Premedical/Health Profession Studies is seeking to create a Premedical Post Baccalaureate Undergraduate Certificate Program (PMPB) for those exceptional few individuals who previously completed a bachelor's degree in a non-science field but who now want to fulfill the core prerequisite requirements for medical/health profession programs. Currently there are no such programs in the State of Delaware while 32 such programs exist in neighboring states with 9 in the Philadelphia area alone. Obviously this PMBP, dependent upon a review of undergraduate transcripts, may require a few post graduate students to enroll in one or more psychology courses (ie, PSYC 100, 325, and/or 334) as part of this certificate program.

From: Williams, Kirk R. <kirkw@art-sci.udel.edu>
Sent: Wednesday, October 23, 2013 10:50 AM
To: Barlow, David A
Subject: RE: Premedical Post Baccalaureate Certificate Program

Categories: Orange Category

Dear David,

I have reviewed the proposal for the Premedical Post Baccalaureate Certificate Program. I think it is an exciting and highly needed program for the State of Delaware, fully aligned with the University's priorities. As you know, we have an undergraduate concentration in health and health services and are in the process of exploring the development of a health concentration in our graduate program. Hence, our Department is aligned with the program you are proposing, and I fully support this development. Let me know if you need anything else from me.

Sincerely, Kirk

Professor and Chair
Department of Sociology and Criminal Justice
University of Delaware
Newark, DE 19716
(302) 831-2581
kirkw@udel.edu

From: Barlow, David A [<mailto:barlow@UDel.Edu>]
Sent: Wednesday, October 23, 2013 9:05 AM
To: Williams, Kirk Ralph
Subject: Premedical Post Baccalaureate Certificate Program

TO: Kirk Williams (kirkw@udel.edu)
Chair, Department of Sociology

RE: Request for Support of a proposed **Premedical Post Baccalaureate Undergraduate Certificate Program** (Please see Attachment)

Dr. Williams:

The Medical Scholars Program in the College of Arts & Sciences with the support of the Center for Premedical/Health Profession Studies is seeking to create a **Premedical Post Baccalaureate Undergraduate Certificate Program (PMPB)** for those exceptional few individuals who previously completed a bachelor's degree in a non-science field at a high level but who now want to fulfill the core prerequisite requirements for medical/health profession programs. Currently there are no such programs in the State of Delaware while 32 such programs exist in neighboring states with 9 in the Philadelphia area alone. Obviously this PMBP may require on occasion a few post graduate students to seek enrollment in the humanities/social science based courses offered by your department (ie, SOCI 311, 313, 342, 343, and/or 349).

From: Doren, Douglas J. <doren@art-sci.udel.edu>
Sent: Wednesday, October 23, 2013 7:29 AM
To: Barlow, David A
Subject: Re: MSP Revisions and Medical Post Baccalaureate Proposal
Categories: Orange Category

Dave,

I'm sorry to be responding so late on this. We have approved the Med Scholars revisions for review by the Ed Affairs committee of the CAS Senate. The only question we raised was whether the HLTH course in Ethics is comparable in rigor, depth and breadth to the Philosophy course. You may get a query from the committee about that.

We certainly support the PostBacc program -- please proceed with seeking approval. My inly question here is whether this should be part of the MSP Director's work, or should be a separate job. Do we need to decide that at this point?

Best,
Doug

On Sep 30, 2013, at 3:09 PM, "Barlow, David A" <barlow@UDel.Edu> wrote:

Hello Doug, Just a quick verification of two items discussed at the Advisory Board meeting last week....

Can I assume that you are okay with the proposed curricular revisions/additions to the Medical Scholars Program (**See Attachment**)? If no concerns I will go ahead and submit requested changes to Cindy Shenkle/Educational Affairs Committee for CAS Senate consideration.

My second question concerns the Medical Post Baccalaureate Certificate Program (**See Attachment**). Do you and/or George view this proposal addressing career changers appropriate for myself as MSP Director to forward to CAS Educational Affairs/Senate for consideration/review? As mentioned at the Advisory Board meeting, the goal of such a program would be to address primarily the core prerequisites necessary for medical school admission. If it goes through as proposed, management/advisement/mentoring of this Post Bac would fall upon the CAS MSP. Note that I view this as compatible with responsibilities associated with managing the undergraduate students in the MSP.

David A. Barlow, PhD, Director
Center for Premedical/Health Profession Studies
University of Delaware
401 Academy Street
Newark, DE 19716
PH: 302 831-3030
FAX: 302 831-4034
Website: <http://www.udel.edu/premed/>

<MSP Requirements proposed '13.docx><Post Bac Premed Proposal1.docx>

RESOLUTION FOR THE FACULTY SENATE AGENDA

Recommendation from the Faculty Senate Committee on Undergraduate Studies (_____, Chair) with the concurrence of the Coordinating Committee on Education (_____, Chair) and the Executive Committee (_____, Chair) for the request to create a **Premedical Post Baccalaureate Certificate Program (PMPB)**.

- WHEREAS, the awarding of a “Certificate of Excellence in Premedical/Health Profession Studies” is designed to enhance a post baccalaureate students’ admission eligibility for professional schools.
- WHEREAS, a PMPB addresses a need among “career Changers” not currently provided by academic institutions in the State of Delaware while nearby States offer a total of 32 such programs at comparable institutions.
- WHEREAS, a number of post baccalaureate students, on an informal basis, currently enroll as CEND students in an attempt to address core prerequisite courses essential for medical/health profession programs on a largely unguided or non-mentored basis.
- WHEREAS, the creation of a PMPB reflects one of the university’s core values of responding to the demographic, economic, and social demands for quality healthcare in the State of Delaware.
- WHEREAS, given the shortage of medical professionals, particularly in primary care medicine, this PMPB provides a coherent, organized, and quality approach to address this need in Delaware.
- WHEREAS, existing resources (budgetary, staffing, and facilities) presently address, on an informal basis, post baccalaureate student inquiries regarding core-prerequisite and co-curricular requirements for admission consideration by health profession programs.
- RESOLVED, the University adopts the proposed creation of a Premedical Post Baccalaureate Certificate Program (PMPB) designed for qualified students who have previously completed a bachelor’s degree in a non-science related discipline but who now want to fulfill the requirements for medical/health profession schools.

CURRICULUM REQUIREMENTS

Premedical Post Baccalaureate Certificate Program (PMPB)

Curriculum Requirements for the Premedical Post Baccalaureate Program (PMPB) of study will vary dependent upon a students' undergraduate background. Specifically the PMPB will be designed so that students will complete the core prerequisite course requirements for medical/health profession programs within one to two academic years. The following courses represent the primary core prerequisites:

DEGREE: CERTIFICATE OF EXCELLENCE IN PREMEDICAL HEALTH STUDIES
MAJOR: PREMEDICAL POST BACCALAUREATE UNDERGRADUATE
CERTIFICATE PROGRAM

CORE PREREQUISITE CURRICULUM	CREDITS
BISC 207 - Introductory Biology I	4
BISC 208 - Introductory Biology II	4
CHEM 103 - General Chemistry	4
CHEM 104 - General Chemistry	4
CHEM 321 - Organic Chemistry & Lab	4
CHEM 322 - Organic Chemistry & Lab	4
CHEM 527 – Introduction to Biochemistry	3
PHYS 201 - Introductory Physics I	4
PHYS 202 - Introductory Physics II	4
PSYC 100 - Introduction to Psychology	3
With recommendations for two of the following:	
BISC 305 - Cell Physiology	3
BISC 306 - General Physiology	3
BISC 401 - Molecular Biology of the Cell	3
BISC 403 - Genetic and Evolutionary Biology	3

Note: Appropriate courses for those individuals lacking prior work in the Medical Humanities, Mathematics, Medical Practica, Bioethics, Behavioral Health and Nutrition, and formalized MCAT preparation may round out this PMPB.

Proposal for the Creation of a Premedical Post Baccalaureate Undergraduate Certificate Program

Degree: Undergraduate Certificate

Title: Premedical Post Baccalaureate Undergraduate Certificate Program (PMPB)

Sponsors: College of Arts & Sciences Medical Scholars Program (MSP)
Center for Premedical/Health Profession Studies (CPHPS)
Office of the Deputy Provost

Responsible Administrative Unit:
Medical Scholars Program (MSP)/Center for Premedical/Health Profession Studies

Program Description:

The proposed Premedical Post Baccalaureate Certificate Program (PMPB) is designed for those qualified students who have previously completed a bachelor's degree in a non-science related field but now want to fulfill the requirements for admission to medical/other health profession schools (<http://naahp.org/PublicResources/PostBaccalaureateOptions.aspx>). Typically these students lack all or most of the core premedical science and perhaps even non-science requirements (biology, chemistry, physics, organic chemistry, biochemistry, psychology, mathematics, and humanities).

Accepted students will work closely with the Medical Scholars Program and the Center for Premedical/Health Profession Studies to develop a structured individualized program of study that addresses the requirements for admission to medical or other health profession schools. Besides regular course work, students will be provided extensive individualized advisement, elective course recommendations, faculty mentoring, seminars by health professionals, opportunities for medical practica, career guidance, professional school selection advice, resume preparation guidance, essay writing recommendations, discounted on campus MCAT preparation courses, area medical school field trips, and mock interview training.

The program will require up to a total of 41 undergraduate core prerequisite credit hours which may include courses from departments involving the Biological Sciences, Chemistry & Biochemistry, Physics & Astronomy, Sociology & Criminal Justice, Mathematical Sciences, Philosophy, and Psychology Departments. Additional elective courses will be recommended and may come from History, Women's Studies, Business Administration, Behavioral Health and Nutrition, Medical Laboratory Science, Human Development & Family Studies, and others.

Students who complete at least 26 hours of the program at the University of Delaware and maintain a minimum grade point average of 3.5 with no grade less than a "B" will be awarded a *Certificate of Excellence in Pre-Medical/Health Profession Studies*. Earning the Certificate of Excellence in Premedical/Health Profession Studies is meant to enhance students'

standing as an applicant to a healthcare professional school based on the high quality of work accomplished throughout the program.

Depending upon the undergraduate background, the PMPB is designed so that students have the potential for completing the program in one to two academic years. For students needing additional coursework or who may need additional time to complete the program, an alternative schedule may be designed in consultation with a Health Professions Advisor.

Application Requirements and Procedures:

Students wishing to apply to the Pre-Medical Post-Baccalaureate Certificate Program must meet the following criteria:

- ❖ A baccalaureate degree from an accredited institution
- ❖ A minimum 3.0 overall undergraduate grade point average
- ❖ Two letters of recommendation
- ❖ A completed on-line application for PMPB study at Delaware
- ❖ Transcripts from all previous undergraduate and graduate study programs

Program Rationale:

The rationale for the addition of the Pre-Medical Post-Baccalaureate Program to the University of Delaware involves the following:

The Medical Scholars Program, Center for Premedical/Health Profession Studies, Admissions Office, and Natural Science academic unit advisors receive inquiries from prospective students regarding the availability of courses for pre-medical education. Without any structured program or marketing, it is estimated that as many as ten to fifteen post baccalaureate students enrolled in our courses (CEND) in the past academic year alone. In addition, an examination of the institutional affiliations with the American Association of Medical Colleges (AAMC) indicate that there are a total of 32 programs located in nearby Pennsylvania, Maryland, and New Jersey while no such programs exist in Delaware. In the Philadelphia area alone there are a total of 9 such programs (<https://services.aamc.org/postbac/>).

Mission:

It is felt that the proposed program reflects one of the university's core values of responding to the demographic, economic and social demands for quality healthcare in the State of Delaware. Students who have majored in disciplines other than those related to medicine and related fields, and who have decided to pursue a medical career, will benefit from this program. Given the shortage of medical professionals, particularly in primary care medicine, this program provides an organized and quality approach to address this need in Delaware.

Quality: The University of Delaware is recognized throughout the State as having high quality science faculty, academic programs, and exceptional facilities. While many of our undergraduate and even post baccalaureate students following self-prescribed programs of study have been successful in achieving their goal, the degree of success could be significantly enhanced as

demonstrated by the highly successful Philadelphia area PMPB programs. Note many of these institutions report medical school admissions rates for their post baccalaureate students to range from 60-90%.

Marketing:

Taking what we are already capable of providing students on an informal and largely unsupervised basis for the preparation for admission to medical/health profession schools, and “packaging” it as a certificate program would serve as a recruiting strategy to increase enrollment in core courses essential for meeting professional school admission requirements. Offering prospective post baccalaureate students a coherent plan for completing the necessary coursework in a timely manner should be attractive for students considering the various higher education options available to them in nearby states.

Enrollment:

As stated above, marketing a program in premedical studies for “Career Changers” has the potential for increasing undergraduate enrollment which would mostly involve the Natural Sciences and Medical Humanities. It is anticipated that these post baccalaureate students enrolling in higher level undergraduate courses will be paying full undergraduate tuition as a result.

Program Assessment:

The quality and success of the proposed post-baccalaureate certificate program in premedical studies will be assessed in the following ways:

1. Percentage of students who apply and are accepted to the program
2. Percentage of students who meet the criteria for earning a certificate
3. Percentage of students who are accepted to medical school and other health profession programs
4. A qualitative analysis of student evaluations of the program
5. On-going review of the program conducted by the Director of the Medical Scholars Program and the Advisory Board of the Center for Premedical/Health Profession Studies.

Enrollment Projections:

This program has the potential of attracting additional students for a series of courses related to preparation for medical school. Given the admission criteria, these will be students who have previously demonstrated success in completing a baccalaureate degree at a high level of achievement. Enrollment of such students would be limited to a maximum of 25 post baccalaureate students. Initial enrollment estimates are expected to range from 5 to 10 students until the PMPB program becomes well known.

Available Resources/Requirements:

Administrative and professional support services of the Medical Scholars Program and the Center for Premedical/Health Profession Studies presently provide pre-professional advisement and mentoring on an informal basis to self-prescribed post baccalaureate students. The creation of this proposed PMPB program would simply serve to formalize and “package” this service providing a coherent plan for addressing medical/health profession program admission requirements. Furthermore, a PMPB at the University of Delaware would encourage medical school affiliations/MOU’s that would significantly increase admission opportunities for both post baccalaureate and undergraduate students alike ([See Appendix-Affiliations/MOU proposals](#)).

Existing courses, faculty, and classroom/laboratory facilities would experience an almost imperceptible increase in the level of demand already caused by the handful of CEND students enrolling in the core prerequisite courses. These courses include:

- BISC 207 - Introductory Biology I
- BISC 208 - Introductory Biology II
- CHEM 103 - General Chemistry
- CHEM 104 - General Chemistry
- CHEM 321 - Organic Chemistry & Lab
- CHEM 322 - Organic Chemistry & Lab
- CHEM 527 – Introduction to Biochemistry
- PHYS 201 - Introductory Physics I
- PHYS 202 - Introductory Physics II
- PSYC 100 - Introduction to Psychology

With recommendations for two of the following:

- BISC 305 - Cell Physiology
- BISC 306 - General Physiology
- BISC 401 - Molecular Biology of the Cell
- BISC 403 - Genetic and Evolutionary Biology

Note: Appropriate course work for those individuals lacking prior work in the Medical Humanities, Mathematics, Medical Practica, Bioethics, Behavioral Health and Nutrition, and formalized MCAT preparation may round out this PMPB.

Electronic and hardcopy **library resources** regarding the nature, characteristics, and requirements of all major Health Profession programs are provided and maintained by the CAS MSP, the Center for Premedical/Health Profession Studies, and the Career Services Center (<http://www.udel.edu/premed/HealthProfessionLinks.html>). No additional library resources are required to support PMPB students or support staff.

Budgetary Requirements:

Budgetary resources necessary to support the PMPB already exist within the CAS MSP and the Center for Premedical/Health Profession Studies. Additional budgetary resources are not required.

CAS Medical Scholars Program/Center for Premedical and Health Profession Studies

Support Staff:

David A. Barlow, PhD, Director

Laura J. Pawlowski, Administrative Assistant/Coordinator

Health Professions Advisor (S-contracted professional position, Fall/Spring Semesters)

PMPB Location:



401 Academy Street
University of Delaware
Newark, DE 19716

APPENDIX

MEDICAL SCHOOL AFFILIATION/MOU PROPOSALS

From: Deborah Benvenger <deborahbe@pcom.edu>
Sent: Thursday, October 24, 2013 10:13 AM
To: Barlow, David A
Subject: Re: Premedical Post Baccalaureate Certificate Program?

Hi David -

Greetings from cold (and almost snowy!) Pittsburgh. I'm at the airport waiting for my flight to Atlanta as I'll be at our Georgia Campus for the next several days.

It would be a pleasure to endorse this endeavor at the University of Delaware. It would also be a pleasure to enter into a discussion regarding an affiliation agreement between UDel and PCOM.

Please let me know if you require additional information to move this forward at your institution. This academic opportunity would be invaluable!

Regards,
Debbie

On Tuesday, October 22, 2013, Barlow, David A wrote:

TO: Deborah Benvenger, MBA, Director of Admissions
Philadelphia College of Osteopathic Medicine (deborahbe@pcom.edu)

RE: Request for Endorsement of a proposed **Premedical Post Baccalaureate Undergraduate Certificate Program** ([Please see Attachments](#))

Dear Ms. Benvenger:

The Medical Scholars Program in the College of Arts & Sciences with the support of the Center for Premedical/Health Profession Studies is seeking to create a **Premedical Post Baccalaureate Certificate Program (PMPB)** for those exceptional few individuals who previously completed a bachelor's degree in a non-science field at a high level but who now want to fulfill the core prerequisite requirements for medical/health profession programs. We feel that this proposed PMPB addresses one of the university's core values of responding to the demographic, economic and social demands for quality healthcare in the State of Delaware. Currently there are no such programs in Delaware while 32 such programs exist in neighboring regions.

From: Bob Ryan <BobRyan@SGU.EDU>
Sent: Thursday, September 19, 2013 4:41 PM
Cc: Barlow, David A
Subject: Re: Memorandum of Understanding between University of Delaware and St. George's University

David, let me know if you have questions, then we can bring any edits to legal....

Bob

Bob Ryan
Associate Dean for Enrolment Planning
USS on behalf of St. George's University
Grenada, West Indies

SGU
c/o University Support Services, LLC
The North American Correspondent
3500 Sunrise Highway Building 300
Great River, NY 11739
bobryan@sgu.edu

1 800 899 6337 ext 9 1216
1 631 665 8500 ext 9 1216

VISIT OUR WEBSITE FOR OUR 2013/2014 INFORMATION SESSIONS www.sgu.edu/future-students/university-open-house.html

From: "Lori A. Lifson-Arloff" <lalifson-arloff@pfapc.com>
To: barlow@udel.edu
Cc: Bob Ryan <BobRyan@SGU.EDU>
Date: 09/19/2013 03:53 PM
Subject: Memorandum of Understanding between University of Delaware and St. George's University

Good afternoon Dr. Barlow,

I am associate general counsel for St. George's University. Attached please find for your review a draft memorandum of understanding between Univ of Delaware and SGU for your review and approval.

If you have any questions or edits, please do not hesitate to contact me.

Regards,
Lori

--

Lori A. Lifson-Arloff, Esq.
Patrick F. Adams, PC
(631) 666-6200
(631) 665-6739 (fax)

MEMORANDUM OF UNDERSTANDING

University of Delaware

and

Saint George's University Limited, Grenada, West Indies

Saint George's University Limited and the University of Delaware agree to offer qualified students the opportunity to pursue a career in medicine or veterinary medicine at St. George's University, following successful completion of three years of pre-medicine or pre-veterinary medicine at the University of Delaware, allowing the students to obtain the BS/MD or BS/DVM degree.

The University of Delaware is a corporation duly organized and existing under the laws of the State of Delaware, USA, with its principal place of business located at in Newark, Delaware, USA. Saint George's University Limited, (hereafter referred to as SGU), is a corporation duly organized and existing under the laws of Grenada, West Indies, with its principal place of business located at University Centre, St. George's, Grenada, West Indies.

In the program established by this agreement, students will begin their studies at the University of Delaware. After successfully completing four (4) years of undergraduate study at the University of Delaware, and meeting the requirements for promotion, qualified students who meet the standards of admission at SGU will proceed to Grenada and enter the first year of SGU School of Medicine or SGU School of Veterinary Medicine.

The qualified medical students will be eligible to complete the first two (2) years of medical study in Grenada, and the final two (2) years of this combined program in clinical rotations at affiliated hospitals in the United States and/or the United Kingdom. Qualified veterinary students will be eligible to complete the first three (3) years of

veterinary study in Grenada and their final clinical year at affiliated veterinary schools in the United States, United Kingdom, Canada, Australia or Ireland.

Admissions Process

Students apply to the University of Delaware, through its Office of Admissions at which time they must express their interest in one of the combined degree programs (BS/MD or BS/DVM degree). Applicants must meet all admissions criteria of the University of Delaware.

Upon receipt of applications, the University of Delaware and SGU will consult to select suitable candidates, who meet the standards of the University of Delaware and SGU, and establish dates for undergraduate interviews (interviews may be conducted by SGU via Skype). An offer for the combined program can only be made after an undergraduate interview is conducted.

In order to be eligible to proceed to the SGU School of Medicine in this program, students must meet the following criteria:

1. maintain a cumulative grade point average (GPA) of at least 3.4 while enrolled at the University of Delaware,;
2. obtain a competitive score on the Medical College Admission Test (MCAT)(meaning a score within 3 points of the prior term average score at SGU); and
3. a letter of reference from the Director of the Center for Professional Studies.

2011/2012 Average = 26-28

In order to be eligible for entry into the SGU School of Veterinary Medicine, students must meet the following criteria:

1. maintain a GPA of at least 3.4 while enrolled at the University of Delaware;
2. obtain a competitive Graduate Record Examination (GRE)(meaning a score within 15 points of the prior term average score at SGU); and

2011/2012 Average = 300

3. a letter of reference from the Director of the Center for Premedical/Health Professional Studies.

In addition to the above-referenced requirements, in order to be promoted to SGU, qualified University of Delaware students must meet all admission criteria of SGU School of Medicine or SGU School of Veterinary Medicine. SGU School of Medicine and SGU School of Veterinary Medicine will select suitable candidates that meet their respective standards and establish dates for promotion interviews. An offer of admission to SGU School of Medicine or SGU School of Veterinary Medicine, pursuant to this program, will only be made to qualified students, who satisfy all respective admissions requirements, after Baccalaureate with Core-prerequisites conducted.

Terms of the Letter of Memorandum

The term of this agreement will be from October 1, 2013 to September 30, 2014. Thereafter, it shall automatically renew from year to year unless terminated by either party.

The University of Delaware and SGU will jointly market this program, and any and all publications or advertisements promoting this program must be approved in writing by the University of Delaware and SGU. The use of party's trademarks, tradenames, logos, copyrights, patents or any other intellectual property in the furtherance of this Agreement or otherwise without the express written consent of the owner is strictly prohibited.

There will be no monetary exchange between the University of Delaware and SGU. Each institution will collect and retain the appropriate tuition and other fees from the student for the period of time the student is enrolled in the institution.

Upon expiration, this agreement may be extended, by mutual written agreement, for an additional one (1) year period:

Notwithstanding the above, this agreement will be terminated if;

- a. Dissolved by mutual agreement between the parties; or
- b. Dissolved by one (1) of the parties upon written notice to the other party of intent to terminate given one (1) year prior to termination; or
- c. Dissolved by one (1) of the parties upon written notice to the other party upon the occurrence of one (1) or more of the following events:
 1. Breach of this agreement by either party.
 2. dissolution or liquidation of the other party;
 3. insolvency or bankruptcy of the other party;
 4. institution of any proceeding by or against the other party under the provisions of any insolvency or bankruptcy laws;
 5. appointment of a receiver of any of the other party's property;
 6. failure of the other party to carry on its business.

~~Upon any termination or expiration of this Agreement, all students enrolled in the program shall be entitled to continue the program until completion.~~

Upon any termination or expiration of this Agreement, all students enrolled in the program at the time of termination or expiration will be entitled to continue the program until completion.

This Agreement will be binding on and inure to the benefit of the parties' respective successors and assigns. Neither party may assign this agreement without the other's written consent except as part of an assignment of substantially all of the assignor's assets and business.

- a. INDEMNIFICATION: Each party shall defend, indemnify and hold harmless, the other party, its trustees, directors, officers, employees, staff, agents and independent contractors from and against any and all claims, liability, losses, damages, demands, lawsuits, settlements, judgments and expenses (including reasonable attorneys' fees) arising directly or indirectly from any acts or omissions of a party, its employees, agents and/or assigns, including, but not limited to, negligence, personal injury, breach of contract, misrepresentation and fraud.

- b. ENTIRE AGREEMENT: This Agreement contains the entire Agreement of the parties and supersedes all prior agreements or understandings pertaining to the subject matter hereof whether written or oral. No modification or amendment of this Agreement shall be effective unless in a written instrument, executed by both of the parties hereto.

- c. GOVERNING LAW: This Agreement shall be made and delivered in the State of ~~Maryland~~ Delaware and shall be governed by and construed in accordance with the laws of the State of Delaware applicable to Agreements made and to be performed entirely within the State of Delaware, excluding any rule or principle of the conflict of laws that might otherwise refer the interpretation of construction of this Agreement to the laws of any other jurisdiction. It is expressly agreed that any judgment obtained by either party against the other arising out of a breach of this agreement shall be enforceable in the United States of America and Grenada. Jurisdiction and venue for any and all disputes which may arise under this Agreement shall reside in the State of Delaware.

- d. SEVERABILITY: If any of the provisions of this Agreement, or the application of any term or provision to any persons or circumstances are invalid or unenforceable to any extent, then the remainder of this Agreement or the application of the terms or provisions to persons or circumstances, other than those to which it is held invalid or unenforceable, shall not be affected thereby and each term or provision of this Agreement shall be valid and enforceable to the extent permitted by law.

- e. CONSTRUCTION: Headings in this Agreement are for reference purposes only and shall not be deemed to have any substantive effect.

- f. NON-WAIVER: The waiver by either party of a breach of any provision of this Agreement by the other shall not operate or be construed as a waiver of any subsequent breach. No course of dealing or any delay on the part of either party in exercising or enforcing their rights under the Agreement shall operate as a waiver of such rights.

- g. Independent Contractors: Non-Exclusivity: Each of the parties hereto is an independent contractor, and nothing herein is intended or shall be construed to create a relationship of joint venture, partnership or otherwise. Neither of

the parties hereto shall be bound to refer or accept students on an exclusive basis to or from the other.

SGU agrees that it will comply with the Family Educational Rights and Privacy Act and any and all other United States federal laws or Grenada laws concerning student records and privacy and access rights.

h. Contact Information:

SGU:

Bob Ryan
Associate Dean of Enrollment Planning for St. George's University
c/o University Support Services, LLC.
3500 Sunrise Highway
Building 300
Great River, New York 11739
Phone: (631) 665-8500

Copy to:

Charles J. Adams, Esq.
General Counsel
St. George's University Limited
c/o Patrick F. Adams, P.C.
3500 Sunrise Highway
Building 300
Great River, New York 11739

University of Delaware:

David A. Barlow, PhD, Director
Center for Premedical/Health Professional Studies
University of Delaware
401 Academy Street
Newark, Delaware 19716
Phone: (302) 831-3030

Charles R. Modica
Chancellor
Saint George's University Limited

Date

David A. Barlow, PhD, Director
Center for Premedical/Health Professional Studies
University of Delaware

Date