

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 4, 2013

Action: Revise requirements of the Medical Scholars 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 14F
(use format 04F, 05W)

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

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

Proposed name: _____
Proposed new name for revised or new major / minor / concentration / academic unit
(if applicable)

Revising or Deleting:

Undergraduate major / Concentration: Medical Scholars Program BALS Degree
(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://www.ugs.udel.edu/gened/>

Identify other units affected by the proposed changes:

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

Department of Psychology – See attached supporting email.

College of Health Sciences – See attached email support

Department of Political Science & International Relations – See attached supporting email.

Woman Studies – See attached supporting email

Department of Chemistry and Biochemistry – See attached supporting email

Department of Sociology & Criminal Justice – See attached supporting email

Department of Human Development & Family Studies – See attached supporting email

Department of Mathematical Sciences – See attached supporting email.

Department of Biological Sciences – See attached communication with Mathematics

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

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

1. **Make PSYC-Introduction to Psychology a Core Prerequisite requirement of the Medical Scholars Program** This requested is submitted in anticipation of pending MCAT changes and medical school core-prerequisite requirements. Commencing in 2015-16 medical school core-prerequisite requirements will include course work in “Introductory Psychology”.
2. **Add HLTH241 Ethical Aspects of Healthcare as a Bioethics option within the Medical Scholars Program** The inclusion of HLTH241 Ethical Aspects of Health Care within the BIOETHICS section of the Medical Scholars Program is sought to increase course options for students choosing the BIOETHICS track of the Medical Scholars Program. Note that PHIL241 is not cross listed with this course.
3. **Eliminate PSOC343 as a cross listed course with SOCI343 within the Humanities and Social Science options of the Medical Scholars Program** POSC343 has been dropped as a cross listed course with SOCI343 Society, Politics and Healthcare. This action will update the listing of course requirements/options within the Medical Scholars Program.
4. **Add WOMS414 Women and Gender in Healthcare and WOMS203 Contemporary Moral Problems to course options within the Medical Scholars Program of Study** This requested is submitted to seek additional course options in the Humanities/Social Science and Bioethics tracks of the Medical Scholars Program. Note that WOMS414 and WOMS203 would serve as most appropriate course selections for students pursuing admission into medical schools and other healthcare professions.
5. **Make CHEM527-Introductory Biochemistry a requirement rather than an option of the MSP “Core-Prerequisite Courses”** Currently this course is listed as one of three options in the MSP where approximately 90-100% of our MSP students (N=12-16) enroll in CHEM527 each year. Note that in 2015/16 the AAMC has indicated that Biochemistry will become a major part of the MCAT for pre-medical studies students. This requested change is in anticipation of the pending MCAT changes and medical school core-prerequisite requirements
6. **Include HDFS349 as a Cross Listed course with SOCI349 within the Humanities and Social Science options of the CAS Medical Scholars Program** We would like to add HDFS349 Aging & Society as a cross listed course with SOCI349 course in our Medical Scholars Program (MSP) Humanities and Social Science options. This would serve to update our current Medical Scholars Program listing of curricular requirements/options.

7. **Request to designate either MATH221 or MATH241 as a math requirement for students in the CAS Medical Scholars Program** We would like to designate either **MATH221 Calculus I** or MATH241 as addressing the math requirement for students in the Medical Scholars Program (MSP). Currently the only MSP math requirement listed is MATH241. Most medical schools require math through calculus and MATH221 or 241 meet this need.

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 attached change shown in red font for all requested changes/revisions to the CAS MSP.

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

Department Chairperson David A. Barlow Date October 4, 2013

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

Barlow, David A

From: Robert F Simons <rsimons@psych.udel.edu>
Sent: Sunday, October 13, 2013 12:51 PM
To: Barlow, David A
Subject: Re: Designation of PSYC100 as a Core-Prereq of the CAS Med Scholars Program

David,

We're on board with your plan.

On Oct 13, 2013, at 12:25 PM, "Barlow, David A" <barlow@udel.edu<<mailto:barlow@udel.edu>>> wrote:

Thank you Robert for looking into this request. Dave Barlow

From: Robert F Simons [<mailto:rsimons@psych.udel.edu>]
Sent: Sunday, October 13, 2013 12:05 PM
To: Barlow, David A
Cc: Brian P. Ackerman
Subject: RE: Designation of PSYC100 as a Core-Prereq of the CAS Med Scholars Program

I do not anticipate objections, but I would like to discuss this with our Director of Undergraduate Studies. I'll get back to you tomorrow. Sorry for the delay.

From: Barlow, David A [<mailto:barlow@UDeL.Edu>]
Sent: Sunday, October 13, 2013 12:02 PM
To: Simons, Robert F
Cc: Quinn, Paul Christopher
Subject: Designation of PSYC100 as a Core-Prereq of the CAS Med Scholars Program

RE: Request for designation of PSYC100 as a Core-Prerequisite for students in the CAS Medical Scholars Program requirements (See Attached Proposal)

Dr. Simons:

This is a follow-up to my earlier email of 10/3 requesting to make PSYC100 Introduction to Psychology a requirement of the Medical Scholars Program (MSP) core-prerequisite courses. Note that in 2015-16 the AAMC has recommended that Introductory Psychology at minimum become a prerequisite requirement for pre-medical studies students. This requested change is in anticipation of pending medical school core-prerequisite requirements. Note that the MSP involves approximately 10-12 largely CAS students per year most of whom currently elect this course to address a breadth requirement.

Would you please respond via email if Psychology has no objections to this proposed addition of PSYC100 as a requirement for MSP students. Please feel free to contact my office to address any questions or concerns.

Thank you again for consideration of this request,

David A. Barlow, Director
CAS Medical Scholars Program

Barlow, David A

From: Hall, Susan J.
Sent: Thursday, August 29, 2013 2:50 PM
To: Barlow, David A
Cc: Quinci, Carolyn E
Subject: HLTH241

Categories: Blue Category

Dear Dave,

I am writing to confirm the support of the College of Health Sciences for the inclusion of HLTH241, Ethical Aspects of Health Care, among the listed elective courses for the Medical Scholars program. We plan to offer at least two sections of the course, including one live and one online, during the current academic year and to ramp up the number of sections moving into the future.

Best,

Susan

Susan J. Hall, Ph.D., FACSM
Deputy Dean, College of Health Sciences
Interim Chair, Department of Human Development and Family Studies
University of Delaware
345 McDowell Hall
Newark, DE 19716
(302) 831-8372 (phone)
(302) 831-3490 (fax)
<http://www.udel.edu/chs/facultystaff/hall.html>



Barlow, David A

From: Bauer, Gretchen M
Sent: Thursday, October 03, 2013 11:00 AM
To: Barlow, David A; Williams, Kirk Ralph
Cc: Koller, Nancy Jean; Ford, Barbara
Subject: RE: Request to drop POSC343 as a Cross Listed course with SOCI343

Categories: Blue Category

We have actually deleted the class so posc 343 no longer exists. Not sure if soci 343 exists still.

Gretchen Bauer
Professor and Chair
Department of Political Science and IR
University of Delaware
302 831 2357
www.udel.edu/poscir

From: Barlow, David A
Sent: Thursday, October 03, 2013 9:51 AM
To: Bauer, Gretchen M; Williams, Kirk Ralph
Subject: Request to drop POSC343 as a Cross Listed course with SOCI343

TO: Gretchen Bauer (gbauer@udel.edu)
Kirk Williams (kirkw@udel.edu)

RE: Request to drop POSC343 as a Cross Listed course with SOCI343 under the Humanities and Social Science options of the CAS Medical Scholars Program requirements (**See Attachments**)

Dr. Bauer/Dr. Williams:

We would like to **drop POSC343** *Society, Politics and Healthcare* as a cross listed course with the SOCI343 course in our Medical Scholars Program (MSP) Humanities and Social Science options. This requested change is desired to update our current Medical Scholars Program curricular requirements.

Would you please respond to this email message if you have no objections to this proposed cross listing deletion of POSC343.

Thank you in advance for consideration of this request,

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

Barlow, David A

From: Monika Shafi <mshafi@UDel.Edu>
Sent: Thursday, October 03, 2013 9:02 PM
To: Barlow, David A
Subject: Re: Designation of WOMS203 and WOMS414 as options in the CAS Medical Scholars Program

Categories: Blue Category

This is fine, no objections. Monika

Sent from my iPhone

On Oct 3, 2013, at 7:56 AM, "Barlow, David A" <barlow@UDel.Edu> wrote:

TO: Monika Shafi (mshafi@udel.edu)
RE: Request to designate WOMS203 and WOMS414 as course options in the CAS Medical Scholars Program (**See Attachments**)

Dr. Shafi:

We would like to designate **WOMS203 Contemporary Moral Problems** and **WOMS414 Women and Gender in Healthcare** as options within our Medical Scholars Program (MSP) Bioethics and Humanities/Social Science requirements.

Would you please respond to this email message if you have no objections to our proposed listing of these two courses as options within the MSP. Please feel free to contact my office to address any questions or concerns.

Thank you in advance for consideration of this request,

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/>

Barlow, David A

From: Murray Johnston <mvj@UDel.Edu>
Sent: Monday, October 07, 2013 12:00 PM
To: Barlow, David A
Cc: Burmeister, John L
Subject: Re: CHEM527 as a requirement vice option in the CAS Medical Scholars Program

Categories: Blue Category

Dave,
We have no objections to this change, and in fact we welcome it.
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 10/3/13 9:20 AM, Barlow, David A wrote:

CHEM LTR:

TO: Murray Johnston (mvj@udel.edu)
CC: John Burmeister (jilburm@udel.edu)

RE: Request for designation of CHEM527 as a requirement vice option in the CAS Medical Scholars Program requirements (**See Attachments**)

Dr. Johnston:

We would like to make CHEM527 *Introduction to Biochemistry* a requirement of the Medical Scholars Program (MSP) core-prerequisite courses. Currently this course is listed as one of three options in the MSP where approximately 90-100% of our MSP students (N=12-16) enroll in 527 each year. Note that in 2015/16 the AAMC has indicated that Biochemistry will become a major part of the MCAT for pre-medical studies students. This requested change is in anticipation of the pending MCAT changes and medical school core-prerequisite requirements.

Would you please respond to this email message if you have no objections to this proposed change from an optional to a requirement of CHEM527. Please feel free to contact my office to address any questions or concerns.

Thank you in advance for consideration of this request,

Barlow, David A

From: Hall, Susan J.
Sent: Thursday, October 03, 2013 4:37 PM
To: Barlow, David A
Subject: RE: Designation of HDFS349 as a cross listed course with SOCI349

Categories: Blue Category

Dave, HDFS has no objection to your inclusion of HDFS349, Aging and Society, as a cross-listed course with SOCI349 within the CAS MSP course options. I'd like to mention that we also have a course entitled Aging and Health that would seem to be relevant, although so far it has only been offered as a special topics course. I'm looking into whether the faculty member who teaches the course would be interested in submitting it for a permanent course number.
Susan

From: Barlow, David A
Sent: Thursday, October 03, 2013 9:38 AM
To: Hall, Susan J.
Subject: Designation of HDFS349 as a cross listed course with SOCI349

TO: Susan J. Hall (sjhall@udel.edu)

RE: Request to designate HDFS349 as a cross listed course with SOCI349 within the Humanities and Social Science options of the CAS Medical Scholars Program requirements (**See Attached Proposal**)

Dr. Hall:

We would like to designate **HDFS349 Aging and Society** as a cross listed course with SOCI349 within the CAS Medical Scholars Program (MSP) Humanities and Social Science options. This would address an omission to our program of study made in 2009 and may possibly expand selection/section options available to MSP students.

Would you please respond to this email message if you have no objections to our proposed cross listing of **HDFS349** with SOCI349. Please feel free to contact my office to address any questions or concerns.

Thank you in advance for consideration of this request,

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/>

Barlow, David A

From: John A. Pelesko <pelesko@math.udel.edu>
Sent: Tuesday, October 08, 2013 5:24 PM
To: Barlow, David A
Subject: Re: Designation of MATH221 or MATH241 as a CAS Medical Scholars Program Requirement

Categories: Blue Category

Hi David,

Yes, sorry I meant to confirm that with you. I am fine with that change.

Thanks,

John

On 10/8/2013 5:12 PM, Barlow, David A wrote:

Hello John, Can I assume that the requested change to allow non-bio majors to use MATH221 in place of 241 to address the math requirement of the Medical Scholars Program is currently acceptable? As previously stated numbers enrolling in 221 are not expected to change since these students come from academic programs previously approved by Mathematics. Note this would eliminate the frequent request for waivers of the 241 course that we are receiving. Dave

From: John A. Pelesko [<mailto:pelesko@math.udel.edu>]
Sent: Thursday, October 03, 2013 10:58 AM
To: Barlow, David A
Subject: Re: Designation of MATH221 or MATH241 as a CAS Medical Scholars Program Requirement

Hi David,

OK - so we are talking about small numbers of students and only those for whom Math 221 is already a requirement?

Do you have any concerns about the change in placement policies for these students?

John

On 10/3/2013 10:53 AM, Barlow, David A wrote:

Hello John, Biology students will continue to take 241. No exception. The problem lies with majors like neuropsych, EXSC, and others that specify 221 for math. Students who decide to pursue med school after the 1st year and have already completed 221 are not permitted to take 241...consequently I am frequently granting waivers unless they desire to take a higher level math. I do not think that this would current enrollment numbers in 221. Thanks again for your consideration of our request, Dave

PS, spoke with Dave Usher in Bio about this same issue and he concurred.

Sent from my iPhone

On Oct 3, 2013, at 10:35 AM, "John A. Pelesko" <pelesko@math.udel.edu> wrote:

Hi David,

Can you tell me the number of students we are talking about here? If this were to happen, I imagine many would switch to M221 and I need to look at capacity issues as one element here.

In terms of the academic issues, while I understand that Math 221 satisfies medical schools, when Biology switched to Math 241, we also reorganized the material in the Math 24X sequence to ensure that biology students got the math they needed. In particular, we moved to an early transcendentals approach so that they would see exponential and logs in context. It is not clear to me that they will get this in the same way in Math 221. In other words, I have concerns about future medical students only seeing calculus in a business context.

One other item that you should be aware of concerns placement. Right now, placement into the Math 117/Math 241 sequence is mandatory while placement into the Math 115/Math 221 sequence is advisory. Next year, we'll be moving to mandatory placement for the Math 115/Math 221 sequence as well. It is probably worthwhile seeing if Math 115 satisfies co-req requirements for students that place there.

Thanks,

John

On 10/3/2013 10:03 AM, Barlow, David A wrote:

TO: John Pelesko (Pelesko@math.udel.edu)

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

RE: Request to designate MATH221 or MATH241 as a math requirement for students in the CAS Medical Scholars Program (**See Attachments**)

Dr. Pelesko:

We would like to designate either **MATH221 Calculus I** or MATH241 as addressing the math requirement for students in the Medical Scholars Program (MSP). Currently the only MSP math requirement listed is MATH241. Most medical schools require math through calculus and either MATH221 or 241 meet this need. Note that MATH 241 is a requirement for Biology Department majors. This

would not change. Listing MATH221 would meet the requirement for most non-bio majors pursuing premedical studies.

Would you please respond to this email message if you have no objections to our proposed listing of either the MSP math requirement as "MATH221 or MATH 241". Please feel free to contact my office to address any questions or concerns.

Thank you in advance for consideration of this request,

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/>

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John A. Pelesko
Professor and Chair
Department of Mathematical Sciences
University of Delaware

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John A. Pelesko
Professor and Chair
Department of Mathematical Sciences
University of Delaware

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John A. Pelesko
Professor and Chair
Department of Mathematical Sciences
University of Delaware

Barlow, David A

From: Usher, David C
Sent: Thursday, October 03, 2013 11:14 AM
To: John A. Pelesko; Duncan, Randall Lyle
Cc: Walsh, Patricia M; Barlow, David A
Subject: RE: Designation of MATH221 or MATH241 as a CAS Medical Scholars Program Requirement

John,

Since MSP students are in a liberal scholars major and not biology, we have no objections. However, it must be made clear that if a student drops out of the MSP program and only has MATH221, we don't accept it for the biology major.

--Dave

From: John A. Pelesko [<mailto:pelesko@math.udel.edu>]
Sent: Thursday, October 03, 2013 10:56 AM
To: Usher, David C; Duncan, Randall Lyle
Subject: Fwd: Designation of MATH221 or MATH241 as a CAS Medical Scholars Program Requirement

Hi Randy and Dave,

Can you give me an opinion on this request? Let me know if you want to talk about it over the phone or in person.

Best,

John

CURRENT

PROPOSED

Program Requirements

(see [UD catalog](#) for additional information)

Minimum program requirements

(University of Delaware and Jefferson Medical College)

- ~~Life and Physical Sciences~~ (approx. 41 credits)
- Humanities and Social Sciences (9 credits)
- Medical Practica (6 credits)
- Medical Scholars Specialization (6 credits from one of 3 areas)
 - Bioethics
 - Administration and Public Policy
 - Translational Research
- Scholarly Work (optional – see MSP Advisor)
- College and University Requirements
- Sufficient additional elective credits in order to meet minimum requirements for the degree (124 credits)

College of Arts and Sciences Medical Studies Curriculum for Bachelor of Arts Degree in Liberal Studies (BALS) Degree

I. ~~LIFE AND PHYSICAL SCIENCES~~

(The following are required)

BISC 207 - Introductory Biology I
 BISC 208 - Introductory Biology II
 BISC 306 - General Physiology
 BISC 403 - Genetic and Evolutionary Biology
 CHEM 103 - General Chemistry
 CHEM 104 - General Chemistry
 CHEM 321 - Organic Chemistry & Lab
 CHEM 322 - Organic Chemistry & Lab
 PHYS 201 - Introductory Physics I
 PHYS 202 - Introductory Physics II

Select one of the following ~~three~~ courses:

BISC 305 - Cell Physiology
 BISC 401 - Molecular Biology of the Cell

or

~~CHEM 527 - Introduction to Biochemistry~~

II. HUMANITIES AND SOCIAL SCIENCE

(9 credits from among the following are required)

HIST 382 - History of Western Medicine
 HIST 449 - Seminar: Science, Technology and Medicine

HDFS 201 - Life Span Development

HDFS 221 - Child Development

HDFS 270 - Families and Development Disabilities

Medical Scholars Program Requirements

(see [UD catalog](#) for additional information)

Minimum program requirements

(University of Delaware and Jefferson Medical College)

- **Core-Prerequisite Courses** (approx. 41 credits)
- Humanities and Social Sciences (9 credits)
- Medical Practica (6 credits)
- Medical Scholars Specialization (6 credits from one of 3 areas)
 - Bioethics
 - Administration and Public Policy
 - Translational Research
- Scholarly Work (optional – see MSP Advisor)
- College and University Requirements
- Sufficient additional elective credits in order to meet minimum requirements for the degree (124 credits)

College of Arts and Sciences Medical Studies Curriculum for Bachelor of Arts Degree in Liberal Studies (BALS) Degree

I. **CORE-PREREQUISITE COURSES**

(The following are required)

BISC 207 - Introductory Biology I
 BISC 208 - Introductory Biology II
 BISC 306 - General Physiology
 BISC 403 - Genetic and Evolutionary Biology
 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
 Select one of the following **two** courses:

BISC 305 - Cell Physiology

or

BISC 401 - Molecular Biology of the Cell

II. HUMANITIES AND SOCIAL SCIENCE

(9 credits from among the following are required)

HIST 382 - History of Western Medicine
 HIST 449 - Seminar: Science, Technology and Medicine
 HDFS 201 - Life Span Development
 HDFS 221 - Child Development
 HDFS 270 - Families and Development Disabilities
 HDFS 329 - Adolescent Development

<p>HDFS 329 - Adolescent Development HDFS 401 - Foundations of Human Sexuality HDFS 403 - Concepts in Gerontology PSYC 325 - Child Psychology PSYC 420 - Mental Illness: Historical and Cultural Perspectives</p> <p>POSC/SOCI 343 – Society, Politics and Healthcare POSC 653 - Politics and Healthcare SOCI 311 - Sociology of Health & Illness SOCI 313 - Mental Health & Well Being SOCI 349 - Aging & Society WOMS 233 - Women, Biology and Medicine WOMS 389 - Topics: Women and Health Issues</p> <p>III. MEDICAL PRACTICA (select 2 of 3 practicum's for 3 credits each...6 credits total) ARSC 480 - Issues in Healthcare for Children and Families ARSC 482 - Issues in Public Health-Economics SOCI 410 - Health Services Practicum and Seminar</p> <p>IV. MEDICAL SCHOLARS SPECIALIZATION (a minimum of 6 credit hours in any one of the following three specialization areas are required) 1. BIOETHICS PHIL 202 - Contemporary Moral Problems PHIL 203 - Ethics PHIL 241 – Ethical Issues in Health Care PHIL 246 - Philosophical Perspectives of Medicine PHIL 313 - Killing and Letting Die PHIL/WOMS 389 - Topics: Women and Health Issues PHIL 444 - Medical Ethics 2. ADMINISTRATION AND PUBLIC POLICY ACCT 200 - Survey of Accounting ECON 100 - Economic Issues and Policies ECON 390 - Economics of Health Care (ECON 151 is a pre-requisite) BUAD 100 - Introduction to Business UAPP 657 - Health Policy (seniors only, ECON 100 or 151 recommended) 3. TRANSLATIONAL RESEARCH Students participate in projects in basic clinical research under the supervision of faculty at the University of Delaware, A.I. DuPont Hospital for Children or Christiana Care Hospital. Students write and defend a senior thesis at the end of their experiences.</p>	<p>HDFS 401 - Foundations of Human Sexuality HDFS 403 - Concepts in Gerontology PSYC 325 - Child Psychology PSYC 420 - Mental Illness: Historical and Cultural Perspectives</p> <p>SOCI 343 – Society, Politics and Healthcare POSC 653 - Politics and Healthcare SOCI 311 - Sociology of Health & Illness SOCI 313 - Mental Health & Well Being HDFS/SOCI 349 - Aging & Society WOMS 233 - Women, Biology and Medicine WOMS 389 – Topics: Women and Health Issues WOMS 414 – Women and Gender in Healthcare</p> <p>III. MEDICAL PRACTICA (select 2 of 3 practicum's for 3 credits each...6 credits total) ARSC 480 - Issues in Healthcare for Children and Families ARSC 482 - Issues in Public Health-Economics SOCI 410 - Health Services Practicum and Seminar</p> <p>IV. MEDICAL SCHOLARS SPECIALIZATION (a minimum of 6 credit hours in any one of the following three specialization areas are required) 1. BIOETHICS HLTH 241 – Ethical Aspects of Healthcare or PHIL 241 – Ethical Issues in Health Care PHIL 202 - Contemporary Moral Problems or WOMS 203 – Contemporary Moral Problems PHIL 203 - Ethics PHIL 246 - Philosophical Perspectives of Medicine PHIL 313 - Killing and Letting Die PHIL/WOMS 389 - Topics: Women and Health Issues PHIL 444 - Medical Ethics 2. ADMINISTRATION AND PUBLIC POLICY ACCT 200 - Survey of Accounting ECON 100 - Economic Issues and Policies ECON 390 - Economics of Health Care (ECON 151 is a pre-requisite) BUAD 100 - Introduction to Business UAPP 657 - Health Policy (seniors only, ECON 100 or 151 recommended) 3. TRANSLATIONAL RESEARCH Students participate in projects in basic clinical research under the supervision of faculty at the University of</p>
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<p><u>Research Methods:</u> College of Health Sciences students: HESC 400 - Research Methods (STAT 200 pre-requisite) College of Arts & Sciences students: BISC 643 - Biological Data Analysis or STAT 200 - Basic Statistical Methods BISC 451 or UNIV 401 - Senior Thesis BISC 452 or UNIV 402 - Senior Thesis</p> <p>V. MSP/COLLEGE/UNIVERSITY REQUIREMENTS MATH 241 FYE/DLE ENGL 110 Foreign Language Proficiency (intermediate level) Multicultural Requirement Second Writing Course College of Arts and Science Group Breadth Requirements: Group A - Creative Arts and Humanities (9 cr) Group B - Culture and Institutions Over Time (9 cr) Group C - Human Beings and Their Environment (9 cr) Group D - Study of Natural Phenomena (10 cr)</p> <p>BALS-MSP Degree: 124 credits (60 cr. at 300 level)</p>	<p>Delaware, A.I. DuPont Hospital for Children or Christiana Care Hospital. Students write and defend a senior thesis at the end of their experiences.</p> <p><u>Research Methods:</u> College of Health Sciences students: HESC 400 - Research Methods (STAT 200 pre-requisite) College of Arts & Sciences students: BISC 643 - Biological Data Analysis or STAT 200 - Basic Statistical Methods BISC 451 or UNIV 401 - Senior Thesis BISC 452 or UNIV 402 - Senior Thesis</p> <p>V. MSP/COLLEGE/UNIVERSITY REQUIREMENTS MATH 241 (Biology Major Requirement) or MATH 221 FYE/DLE ENGL 110 Foreign Language Proficiency (intermediate level) Multicultural Requirement Second Writing Course (Taken after completion of 60 cr) College of Arts and Science Group Breadth Requirements: Group A - Creative Arts and Humanities (9 cr) Group B - Culture and Institutions Over Time (9 cr) Group C - Human Beings and Their Environment (9 cr) Group D - Study of Natural Phenomena (10 cr)</p> <p>BALS-MSP Degree: 124 credits (60 cr. at 300 level)</p>
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Checklist for Curriculum Proposals

(Medical Scholars Program)

- X 1. Are all **signatures on the hard copy of all proposals**?
- X 2. Are the **effective dates** correct?
- X 3. Is the **rationale** for the proposals consistent with the changes proposed?
- NA 4. Does the proposed **number of credits** match the stated number?
- X 5. Have affected units been identified and contacted? Are required **support letters** attached?
- NA 6. Is a resolution necessary? If so, is it attached?
- (Necessary for: establishing a major; disestablishing a major; a name change to any program with permanent status; a name change to a department or college; a transfer or creation of any department; request for permanent status).
- X 7. Are all **courses (required or referenced)** in the UDSIS Inventory or in the approval process?
- NA 8. Are all **university requirements** correctly specified?
- A. Breadth requirements.
- B. Multicultural requirement.
- C. Writing requirement.
- D. DLE requirement.
- NA 9. Are all **college requirements** correctly specified?
- X 10. Is a side-by-side comparison provided?