

HONORS UNIVERSITY IN MARYLAND

Office of the Provost

University of Maryland, Baltimore County 1000 Hilltop Circle Baltimore, Maryland 21250

PHONE: 410-455-2333 FAX: 410-455-1107 WEB: www.umbc.edu

interoffice

MEMORANDUM

DATE:

July 5, 2016

TO:

Rosemary Drohan

FROM:

Antonio Moreira, Ph.D. Vice Provost for Acade

SUBJECT:

Upper Division Undergraduate Certificate in Health Information Technology

Attached please find the original proposal for the Upper Division Undergraduate Certificate in Health Information Technology. For the sake of expediency, I am also sending copies of this information simultaneously to the Faculty Senate, the Undergraduate Council and the Academic Planning and Budget Committee. Please coordinate with Drs. Moffitt, McDonough and Nicholas to obtain the endorsement from the shared governance process.

We look forward to receiving the Faculty Senate's review.

Thank you.

AM:slm Attachment

Cc:

Dr. Kimberly Moffitt, President, Faculty Senate

Dr. Susan McDonough, Chair, Undergraduate Council

Dr. Charles Nicholas, Chair, APB

Dr. Julia Ross, Dean, College of Engineering and Information Technology

Dr. Carolyn Seaman, Associate Professor, Information Systems

Ms. Beth Wells (w/o attachment)

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Proposed Upper-Division Undergraduate Certificate in

Health IT

UMBC Department of Information Systems

Health information technology (IT) is about making health-related information useful to individuals and organizations for improving the quality of care, obtaining better health outcomes, and reducing health care costs. Health IT has been recognized as an area of national need by the recent US administrations as well as various governmental agencies and large corporations. The health care industry is responding with widespread adoption of health IT solutions such as electronic health records and telemedicine. With the cutting-edge knowledge and active research involvement of its faculty members, the Department of Information Systems provides an excellent environment for our undergraduate students to become better prepared to join the health IT workforce.

Thus, we propose to augment our existing undergraduate curriculum in Information Systems, which already contains rigorous education in programming, databases, systems analysis and design, and computer networking, with additional health IT related courses through an optional upper division certificate program. The IS department has a long history of successfully teaching health IT courses. The certificate will allow interested students to focus on this important application domain and gain a visible credential upon graduation. The core courses in this certificate teach students about the fundamental recurring concepts and essential applications in health IT. The electives provide students with knowledge about the underlying technologies that support health IT solutions. Students in our proposed certificate will also be required to synthesize the concepts and skills acquired in the courses into a final health IT experience.

The certificate is open to all UMBC undergraduate students. We expect that interest will come primarily from IS majors, IS minors, BTA majors, and the Health Administration and Policy and Public Policy (HAPP) program. The existence of this certificate is not expected to attract additional students to UMBC or to the IS department immediately, however, in the long run, the availability of a health IT certificate can attract accomplished students. Based on past enrollment trends in IS 460 and 461, we estimate the enrollment to be around 15 students per year.

Our region is one of the primary hubs in the United States in terms of health IT activity. There is a strong and increasing market demand for health IT professionals in our area, as evidenced in a detailed study conducted in 2013 to support the creation of our current MPS program in Health IT. That study showed that the Baltimore region experienced a 44 percent increase in the total number of health IT positions from 2007 to 2012, while the number of positions declined nationally by ten percent. Employers in the Greater Baltimore region posted 78 percent more health IT positions in the first half of 2012 than they did in the first half of 2010.

Proposed curriculum (15 credits total)

Core courses: IS 460 Health Informatics I (3)

IS 461 Health Informatics II (3)

Experience: IS 397 Health IT internship (3) OR

IS 467 Senior Projects in Health IT (3)

Electives (choose two):

IS 427 Introduction to Artificial Intelligence (3)

IS 428 Data Mining Techniques and Applications (3)

IS 430 Information Systems and Security (3)

IS 464 Telemedicine in Trauma Care (3)

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Carolyn Seaman

From: Sent: Beth Wells [bwells@umbc.edu] Monday, June 27, 2016 3:00 PM

To: Subject: Carolyn Seaman Re: Health IT UDC

Carolyn,

On the health IT routing sheet, please sign my name on the top line where it says "Informal review by Assistant Vice Provost". Please add a note that I asked you to sign it for me following my review of the proposal on my last day before medical leave. Then sign your name, too.

Carolyn Seaman

Thanks so much for your help.

Beth

Beth Wells Assistant Vice Provost for Academic Affairs UMBC

Office: 906 Administration Mail: 1001 Administration 1000 Hilltop Circle Baltimore, MD 21250

410-455-8907 bwells@umbc.edu

On Mon, Jun 27, 2016 at 2:48 PM, Carolyn Seaman < cseaman@umbc.edu> wrote:

Hi Beth -

No problem, I knew you were away. I'm actually traveling now, too, but I will get the routing started when I'm back in the office on Thursday. While you were away, I corresponded with Pam and Connie and now have approved acronyms for both the cybersecurity and the health IT certificates. I'm pretty sure Susan was cc'ed on those emails, but I'll check to be sure.

Good luck with the back surgery! I hope all goes well. I'll call later in July if I need to, but I'll try to leave you alone.

Cheers,

Carolyn

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Kouting Sneet for Keview and Approval

Date routing sheet sent:

Proposed New Academic Plan or Name Change to Existing Academic Plan

Required steps in the review and approval process for proposed new academic plans and name changes to existing academic plans vary depending upon a number of factors. The Provost's Office reviews each concept for a new academic plan or name change in light of UMBC campus governance procedures and USM/MHEC approval guidelines. As a result of this examination, the boxes checked on page 2 of this form reflect the steps that have been identified as required for review of the proposed new academic plan or name change of an existing academic plan shown below and attached.

Concept approved by the Program Concept Group: Date of PCG review:

4DC Health	17	4/14/16	5/2/16
	imately leading to more ti	mely completion of	ficient tracking of documents throughout the fitness. This is especially important ls must be submitted.
<i>Instructions:</i> 1. Please do <u>not</u> detac	h this routing slip from	the proposal.	
to consult simultaned Connie Pierson in IR certificate, etc) and d degree type; Pam an following below: (1) new academic plan (usly by email with Pam HADS at krach@umbc.edu escription. If you have no d Michael will respond wit the proposed name of the up to 30 characters); (3) a	awley in the Regis . Please send the preferred acronyment an assigned acronew academic plates short description	osing the new academic plan is responsible strar's Office at mcinnis@umbc.edu and proposed program acronym, type (BA, BS, n, you can send only the description and onym. After this consultation, insert the an; (2) a formal description of the proposed of the proposed new academic plan (up to proposed new academic plan.1
	ment in Institutional Adva		Ilman at mir@umbc.edu to inquire whether terest in exploring marketing opportunities
4. The proposal and the which each appears		be sent to each of	fice indicated on this form, in the order in
5. Attach letters of supp	ort from all participating d	epartments, assur	ing capacity in courses, etc.
Office at mocko@umbc.edu, c	giving the name of the pro ack of it. If you have quest	posal as shown ab ions about the rev	ease email Susan Mocko in the Provost's pove and the office to which you are sending iew process, please contact Beth Wells at

Proposed name of proposed r	new academic plan:	Р	roposed program acronym:
UDC m Healt	th IT		HEIT
Proposed formal description o	f new proposed academic	plan (up to 30 cha	aracters):
Proposed short description of		plan (up to 10 char	racters):
		<u>OR</u>	
Proposed change to name of	existing academic prograr	n: C	eurrent program acronym:²
Additional instructions for proprogram type:			eth Wells ssistant Vice Provost for Academic Affairs

¹ Note that academic plan acronyms are permanent and, once established do not change in the future if the name of the academic plan changes.

/ / T) C	Here I the IT	ig academic plan.
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Department pro		al review to the Vice-Provost for Academic Affairs, prior
Department pro	posing program <u>must develop and get approval</u> for p	
proposal to Susan Mock	hat proposals be submitted electronically. Please ser o at <u>mocko@umbc.edu</u> .	an electronic copy of the FINAL version of your
A Letter of Inte	nt is required for this program. The format and direct	ions will be sent to you electronically. Sent to USM 6/27/2016 BW
Send to this office		
if checked here.	Signatures:	Dates:
- Lamenton and the same of the	1Seth Wells	6/27/2016 - see attached note
	INFORMAL REVIEW Assistant Vice-Provost for Academic Affairs	Date reviewed
	Mayo C	6/20/11
	Department Chair	Date approved
INA.		
BM	Vice-President for Administration & Finance	Date budget reviewed
NA		
× 4	Vice Provost, Professional Education	Date approved
NA		-
211-	Dean of Natural & Mathematical Sciences	Date approved
NA	Dean of Arts, Humanities & Social Sciences	Date approved
NA	Dean of Arts, Furnanties & Social Sciences	Date approved
10/1	Dean of the Erickson School	Date approved
	Cal make	1. Ball.
<u> </u>	Deap of Engineering & IT	Date approved
Lander	Dinom. Loo	(0/30/11-
	Dean of Undergraduate Education	Date approved
NA		
	Dean of Graduate Education	Date approved
l	Please return proposal & cover sheet at this	s point to:
	Vice Provost for Academic Affairs	Date Letter of Intent sent to USM
Landon Comment		
	Chair, Undergraduate Council	Date approved
NA		
	Chair, Graduate Council	Date approved
	Chair, Academic Planning & Budget	Date approved
V		
	President, Faculty Senate	Date approved
	Please return proposal & cover sheet at this Vice Provost for Academic Affairs	s point to:
	VICE PROVOSE TO ACADEMIC ATTAINS	
	Provost	Date approved
Comment of the second		
	President	Date approved
	University System of Maryland/	
	Board of Regents	
	and Maryland Higher Education Commission for	administrative reviews

Target MHEC Window submission date (subject to change)

NA

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August 199				
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