

Cover Sheet: Request 14589

Human Systems Biology

Info

Process	Certificate New Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Kathy Green kathygreen@ufl.edu
Created	1/8/2020 10:39:52 AM
Updated	2/28/2020 8:26:25 AM
Description of request	Offering a professional certificate in Human Systems Biology to students who successfully complete the courses and acquire at least 14 credits, but leave the MD degree program prior to graduation, would enhance career opportunities in the pharmaceutical industry, education, biotechnology and other health science fields. All students who meet both requirements (minimum 14 credits and MD program disenrollment) would be provided the option to enroll in the certificate program.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	MED - General Medicine 312901000	Maureen Novak		1/8/2020
No document changes					
College	Approved	MED - College of Medicine	Joseph Fantone		1/14/2020
No document changes					
Office of Institutional Planning and Research	Approved	PV - Office of Institutional Planning and Research	Cathy Lebo		2/25/2020
No document changes					
Associate Provost for Undergraduate Affairs	Approved	PV - Associate Provost for Undergraduate Affairs	Casey Griffith		2/28/2020
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			2/28/2020
No document changes					
Office of the Registrar					
No document changes					
OIPR Notified					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
Academic Assessment Committee Notified					
No document changes					

Step	Status	Group	User	Comment	Updated
College Notified					
No document changes					

Certificate|New for request 14589

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Submitter: Kathy Green kathygreen@ufl.edu

Created: 2/25/2020 1:56:37 PM

Form version: 3

Responses

Certificate Name

Enter the name of the certificate. Example: Urban Pest Management.

Response:
Human Systems Biology

Transcript Title

Enter the transcript title of the certificate. This is limited to 50 characters, including spaces.

Response:
Human Systems Biology

Credits

Enter the total number of credit hours needed to complete the certificate program.

Response:
14

Level

Enter the program level of the certificate.

Response:
Professional

CIP Code

Enter the six digit Classification of Instructional Programs (CIP) code for the degree program associated with the proposed certificate. The code has the numerical format XX.XXXX. Contact the [Office of Institutional Planning and Research \(OIPR\)](#) to verify the CIP code for the existing degree program.

Response:
51.1201

Degree Program

Enter the degree program associated with the CIP code entered above (e.g. Accounting).

Response:
Health Professions and Related Clinical Sciences, Other

Effective Term

Enter the term (semester and year) that the certificate would start. Please keep in mind that this may be adjusted depending on University deadlines for approval process.

Response:
Summer

Effective Year

Response:
2020

Certificate Description

Enter a description of the certificate. This is limited to 50 words or fewer.

Response:
The certificate allows students an option to obtain a certificate in Human Systems Biology instead of a MD degree based on successful achievement of at least 14 credits within the eight courses offered.

Requirements for Admission

List any requirements for admission to this new certificate program such as grade point average, background in the discipline, current enrollment status, etc.. Please indicate if the certificate only accepts students of a particular status: for example, current UF graduate students, graduate students in a specific college, non-degree seeking students, or any student status.

Response:
All UF College of Medicine students are eligible to apply for the certificate. Students would need to be accepted and matriculate into the MD program, complete at least 14 credits in specific courses, and then disenroll from the MD degree prior to graduation as to not earn a certificate with the same coursework and credits required for the MD degree.

Requirements for Completion

List all of requirements for completion of the certificate program, such as courses, internships, projects, etc. For each course, indicate prefix, number, title, # credits, and established grading scheme (letter grade or S/U). The title should be identical to the official title of the course as listed in the [Graduate catalog](http://gradcatalog.ufl.edu/) or [Graduate catalog](http://gradcatalog.ufl.edu/).

Response:
In order to complete the certificate program, students must earn a Satisfactory (S) and earn at least 14 credits within the following clinical systems courses. All courses are required during the first or second year of medical school.
BMS6633 - The Cardiovascular (CV) System - 5 credits (S/U)
BMS6642 - The Respiratory System - 5 credits (S/U)
BMS6638C - Kidney & Urinary Tract - 4 credits (S/U)
BMS6634 - Gastroenterology (GI) and Hepatology - 5 credits (S/U)
BMS6020 - Clinical Neuroscience - 7 credits (S/U)
BMS6635 - Dermatology (Derm) & Musculoskeletal (MSK) - 4 credits (S/U)

BMS6632 - Endocrinology and Reproduction - 4 credits (S/U)
BMS6631 - Hematology - 4 credits (S/U)

Rationale and Place in Curriculum

Describe the rationale for offering this new certificate and having it on the transcript, its place in the curriculum, how it will enhance the quality of the existing program or department. Also describe its overlap with any existing certificates and programs, and a justification for any such overlap. Note that documentation of consultation will be expected for any certificate with overlapping content.

Response:

All UF College of Medicine students who disenroll from the MD program, and have completed the required coursework are eligible to apply for the certificate. Students would need to earn a Satisfactory (S) and earn at least 14 credits in the courses offered, as opposed to the 196 credits required for the MD degree. The certificate would document the students mastery of a body of knowledge in the clinical human systems biology, which would open up additional career opportunities in the pharmaceutical industry, education, biotechnology and other health science fields. As there are no other professional certificates offered in the professional medical career path, there are no conflicts with other existing programs or overlapping content with other programs as all courses are required solely within the medicine career degree.

Student Learning Outcomes

List each student learning outcome with its associated courses, assessment type (e.g. course-related exam/assignment/grade, final paper/project/presentation, standardized exam, capstone) and method (e.g. rubric, faculty committee, single faculty member).

Response:

SLO1 - Knowledge: Recall and interpret basic and clinical medical sciences. (course exam or average of course examinations in selected courses - BMS6633, BMS6642, BMS6638C, BMS6634, BMS6020, BMS6635, BMS6632, BMS6631)

SLO2 - Skills: Identify and diagnose a differential diagnosis through diagnostic tests, such as laboratory analysis, radiologic imaging, and/or organ biopsy/pathologic evaluation. (course exam or average of course examinations in selected courses - BMS6633, BMS6642, BMS6638C, BMS6634, BMS6020, BMS6635, BMS6632, BMS6631)