

Cover Sheet: Request 15541

MCB 8 semester plan modification

Info

Process	Major Curriculum Modify Ugrad/Pro
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Monika Oli molli@ufl.edu
Created	12/2/2020 11:32:55 AM
Updated	3/23/2021 10:01:47 PM
Description of request	MCB 8 semester plan modification

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CALS - Microbiology and Cell Science 60100000	Eric Triplett		12/2/2020
No document changes					
College	Approved	CALS - College of Agricultural and Life Sciences	Joel H Brendemuhl	Approved by CALS Associate Dean.	3/11/2021
CALS MCB 8 semester plan changes corrections with Quest 2_JHB.docx					
Associate Provost for Undergraduate Affairs	Approved	PV - Associate Provost for Undergraduate Affairs	Casey Griffith		3/23/2021
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			3/23/2021
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
Academic Assessment Committee Notified					
No document changes					
College Notified					
No document changes					

Major|Modify_Curriculum for request 15541

Info

Request: MCB 8 semester plan modification
Description of request: MCB 8 semester plan modification
Submitter: Joel H Brendemuhl brendj@ufl.edu
Created: 3/11/2021 11:40:52 AM
Form version: 5

Responses

Major Name

Enter the name of the major. Example: "Mathematical Modeling"

Response:
Microbiology and Cell Science

Major Code

Enter the two-letter or three-letter major code.

Response:
MCB

Degree Program Name

Enter the name of the degree program in which the major is offered.

Response:
Bachelor of Science

Undergraduate Innovation Academy Program

Is this an undergraduate program in the Innovation Academy?

Response:
No

Effective Term

Enter the term (semester and year) that the curriculum change would be effective.

Response:
Earliest Available

Effective Year

Response:
Earliest Available

Current Curriculum for Major

Response:

https://catalog.ufl.edu/UGRD/colleges-schools/UGAGL/MCB_BS/#modelsemesterplantext

Proposed Curriculum Changes

Describe the proposed changes to the curriculum. If the change is to offer the program through UF Online, please explain and attach a letter of support from the Director of UF Online.

Response:

Changes to the 8-semester plan:

Making minor adjustments

Correcting plan to include State Core Designations

Plan includes previous submission to include Quest 2

UF Online Curriculum Change

Will this curriculum change be applied to a UF online program as well?

Response:

No

Pedagogical Rationale/Justification

Describe the rationale for the proposed changes to the curriculum.

Response:

To correct catalog copy. Plan also includes information from a previous submission to include Quest 2.

Impact on Enrollment, Retention, Graduation

Describe any potential impact of the curriculum changes on students who are currently in the major.

Response:

NA

Assessment Data Review

Describe the Student Learning Outcome and/or program goal data that was reviewed to support the proposed changes.

Response:

NA

Academic Learning Compact and Academic Assessment Plan

Describe the modifications to the Academic Learning Compact (for undergraduate programs) and Academic Assessment Plan that result from the proposed change.

Response:

NA

Catalog Copy

Submitter agrees to prepare and upload document showing the catalog copy with the current and proposed curricula edited using the "track changes" feature in Word.

Response:

Yes

SEMESTER ONE		CREDITS
MAC 2311	Analytic Geometry and Calculus 1 (Critical Tracking , State Core Gen Ed Mathematics , Physical Sciences)	4
CHM 2045 & 2045L	General Chemistry 1 and General Chemistry 1 Laboratory (Critical Tracking , State Core Gen Ed Physical Science , Mathematics)	4
Quest 1 (Gen Ed Humanities)		3
State Core Gen Ed Composition ; Writing Requirement ¹		3
Credits		14
SEMESTER TWO		
BSC 2010 & 2010L	Integrated Principles of Biology 1 and Integrated Principles of Biology Laboratory 1 (Critical Tracking ; Gen Ed Biological Sciences)	4
BSC 2891	Python Programming for Biology (or similar quantitative elective)	3
CHM 2046 & 2046L	General Chemistry 2 and General Chemistry 2 Laboratory (Critical Tracking ; Gen Ed Physical Sciences)	4
State Core Gen Ed Composition ; Gen Ed Composition - Writing Requirement		3
Credits		14
SEMESTER THREE		
Select one:		3-4
AEB 2014	Economic Issues, Food and You	3
AEB 3103	Principles of Food and Resource Economics	3
ECO 2013	Principles of Macroeconomics	3
ECO 2023	Principles of Microeconomics (Gen Ed Social and Behavioral Sciences)	3
BSC 2011 & 2011L	Integrated Principles of Biology 2 and Integrated Principles of Biology Laboratory 2 (Critical Tracking ; Gen Ed Biological and Physical Sciences)	4

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<u>CHM 2210</u>	Organic Chemistry 1 (Critical Tracking)	3
<u>State Core Gen Ed Social and Behavioral Sciences (potentially with Gen Ed International or Gen Ed Diversity)</u>		3
Credits		13-14
SEMESTER FOUR		
<u>AEC 3033C</u> or <u>ENC 2210</u>	Research and Business Writing in Agricultural and Life Sciences (Writing Requirement) or Technical Writing	
<u>CHM 2211</u> & <u>2211L</u>	Organic Chemistry 2 and Organic Chemistry Laboratory	5
<u>MCB 3023</u> & <u>3023L</u>	Principles of Microbiology and Principles of Microbiology Laboratory (Critical Tracking)	5
<u>Quest 2 (Gen Ed Physical or Biological Science)</u> Science Elective		3
Credits		16
SEMESTER FIVE		
<u>AEC 3030C</u> or <u>SPC 2608</u>	Effective Oral Communication or Introduction to Public Speaking	
<u>MCB 4203</u> or <u>PCB 4233</u>	Bacterial Pathogens (Critical Tracking) ² or Immunology (Critical Tracking) ²	3
<u>MCB 4403</u> or <u>PCB 3134</u>	Prokaryotic Cell Structure and Function (Critical Tracking) or Eukaryotic Cell Structure and Function (Critical Tracking)	3
Gen Ed Diversity/ <u>Gen Ed International*</u>		3
Electives		5
* <u>Depends on your choice in semester 3 and 4.</u>		
Credits		
SEMESTER SIX		

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BCH 4024 or CHM 3218	Introduction to Biochemistry and Molecular Biology or Organic Chemistry/Biochemistry 2	
MCB 4304 or PCB 4522	Genetics of Microorganisms ³ or Molecular Genetics (Critical Tracking) ³	3
MCB 4034L	Advanced Microbiology Laboratory (Critical Tracking)	1
	Gen Ed Mathematics	3
	Department elective	3
	Credits	14
SEMESTER SEVEN		
	Select one:	4-5
PHY 2048 & 2048L	Physics with Calculus 1 and Laboratory for Physics with Calculus 1	
PHY 2053 & 2053L	Physics 1 and Laboratory for Physics 1	
	State Core Gen Ed Humanities	3
	Writing Requirement	3
	Department elective	3
	Elective	3
	Credits	16-17
SEMESTER EIGHT		
	Select one:	4-5
PHY 2049 & 2049L	Physics with Calculus 2 and Laboratory for Physics with Calculus 2	
PHY 2054 & 2054L	Physics 2 and Laboratory for Physics 2	
	State Core Gen Ed Humanities	3

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<u>Elective Gen-Ed International</u>	3
Department elective	3
Elective	<u>36</u>
Credits	16-17
Total Credits	120

Plan of Study Grid

¹ ENC 1101 recommended.

² MCB 4203 is taught only in the fall; PCB 4233 is taught only in the spring.

³ MCB 4304 is taught only in the fall; PCB 4522 is taught only in the spring.

A 2.5 GPA with minimum grades of C in the bolded science and math courses listed above is required to continue in the major after Semester 4.