

Medgar Evers College, CUNY
Advisement Curriculum Worksheet
Revised: Fall 2009

School: Science, Health & Technology	Department: Biology	CURRICULUM CODE: 10
Degree: Bachelor of Science in Biology	Total # of Credits for Program Completion: 120	
HEGIS CODE: 0401	SED CODE: 02290	

Not Active=NA

Course Number	Course Title	Credits	Semester Taken	Grade	Course Substitute(s)	Pre-Requisite(s)	Co-Requisite(s)
Core Curriculum Requirements							
ART 100	Introduction to World Art	2			LAS 201 (NA)		
MUS 100	Introduction to World Music	2			LAS 201 (NA)		
SPCH 102	Fundamentals of Speech	3					
HIST 101 <u>or</u> HIST 102	World Civilization I <u>or</u> World Civilization II	3				Pass CUNY ACT Reading, Writing and Math, and exit from all Developmental Skills courses	
HIST 200 <u>or</u> HIST 201	Growth and Development of the USA <u>or</u> African American History and Culture	3			HIST 230 HIST 231 HIST 242	ENGL 150	

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PSYC 101 or SSC 101 or SOC 101	Introduction to Psychology or Culture, Society and Social Change or Introduction to Sociology	3			LAS 102 (NA) for SSC 101 Only	Pass CUNY ACT Reading, Writing and Math, and exit from all Developmental Skills courses	ENGL 112
FS 101	Freshman Seminar I	1			CP 100 (NA)		
FS 102 or BIO 102	Freshman Seminar II or Pre-professional Seminar II	1			CP 200 (NA)	FS 101	
ENGL 112	College Composition I	3			ENGL 100 (NA) ENGL 101 (NA)	Pass CUNY ACT Reading, Writing and Math, and exit from all Developmental Skills courses	
ENGL 150	College Composition II	3				ENGL 112	
ENGL 211	Introduction to Literature	3				ENGL 150	
ENGL 212	World Literature: The Evolving Canon	3			ENGL 300 (NA) LAS 304 (NA)	ENGL 150	
MTH 138	College Algebra & Trigonometry	3			MTH 107 (NA) MTH 115 (NA) MTH 119 (NA) MTH 120 & MTH 130 (NA) MTH 132 (NA)	Pass CUNY ACT Reading, Writing and Math, and exit from all Developmental Skills courses	
BIO 111	Introduction to Biology	3			BIO 101 BIO 103 (NA) LAS 103 (NA)	Pass CUNY ACT Reading, Writing and Math, and exit from all Developmental Skills courses	

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CHM 112	Basic Chemistry	3				Pass CUNY ACT Reading, Writing and Math, and exit from all Developmental Skills courses	
SSC 307 and CS 100 or CS 151	World Geography and Computer Web Design or Introduction to Computing	6				ENGL 150	MTH 151
Or SPCH 121 and SPCH 122	Or American Sign Language I and American Sign Language II					SPCH 121	FREL 101 FREL 102
Or FREN 101 and FREN 102	Or Beginning French I and Beginning French II					FREN 101	
Or SPAN 101 and SPAN 102	Or Beginning Spanish I and Beginning Spanish II					SPAN 101	SPAL 101 SPAL 102
Biology Core Requirements							
CHM 201	General Chemistry I	4				CHM 112	MTH 151 CHML 201 CHMW 201
BIO 201	General Biology I	4				BIO 101 or 111	BIOL 201

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BIO 202	General Biology II	4				BIO 201 CHM 112 MTH 138	BIOL 202
CHM 202	General Chemistry II	4				CHM 112 CHM 201	CHML 202 CHMW 202
MTH 202	Calculus I	4				MTH 151	
MTH 203	Calculus II	4				MTH 202	
PHY 205	Introduction to Physics I	4				PHY 114 MTH 151	PHYL 205
PHY 206	Introduction to Physics II	4				PHY 205	PHYL 206
BIO 302	Genetics	4				BIO 202 CHM 201 MTH 138	BIOL 302
BIO 499	Senior Seminar	1				BIO 302	
CHM 303	Organic Chemistry I	4				CHM 202	MTH 203 CHML 303 CHMW 303
CHM 304	Organic Chemistry II	4				CHM 303	CHML 304 CHMW 304
BIO 461	Molecular Biology	4				BIO 302 CHM 303 MTH 201	BIOL 461
BIO 491	Cell Biology	4				300 Level Biology with Lab	BIOL 491
Upper Level Electives: 17 Credits							
BIO 304	Histology	4				BIO 202 <u>or</u> BIO 252 CHM 202	

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BIO 311 or BIO 312	Research Methods or Laboratory Instrumentation	2				16 credits of BIO or Permission of the Chairperson	
BIO 323	Pathophysiology	3				BIO 202 or BIO 261 CHM 202 or CHM 105	
BIO 331	Immunology	4				BIO 202 CHM 202	BIOL 331
BIO 340	Plant Science/Botany	4				BIO 202 CHM 202	BIOL 340
BIO 351	Endocrinology	4				BIO 202 CHM 202	BIOL 351
BIO 365	Human Genome	3				BIO 101	
BIO 370	Principles of Environmental Science	3				BIO 202 or BIO 252 CHM 202	
BIO 373	Invertebrate Zoology	4				BIO 202	BIOL 373
BIO 375	Chordate Morphology	4				BIO 202 CHM 202	BIOL 375
BIO 376	Chordate Development	4				BIO 202 CHM 202	BIOL 376
BIO 403	Microbiology	4				BIO 202 CHM 202 300 Level Biology with Lab	BIOL 403

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BIO 410 or BIO 411 or BIO 412	Independent Research I or Independent Research II or Independent Research III	3				Permission of the Chairperson and Faculty Advisor	
BIO 413	Honors Research	3				Permission of the Chairperson and Faculty Advisor	
BIO 463	Molecular Neurobiology	4				BIO 302	BIOL 463
BIO 472	Molecular Biotechnology Theory and Applications	4				BIO 302	BIOL 472
BIO 481	Human Physiology	4				BIO 202 300 Level Biology with Lab	BIOL 481
Electives: 5 Credits							
Open Electives		3					
Open Electives		2					

Note: Students can only choose one of the following courses (BIO 410 or BIO 411 or BIO 412).