

ARTICULATION AGREEMENT
Between
FLORIDA GULF COAST UNIVERSITY BOARD OF TRUSTEES,
A PUBLIC BODY CORPORATE OF THE STATE OF FLORIDA
And
MIAMI DADE COLLEGE

This agreement is to facilitate the transfer and transition of Associate in Arts Biotechnology students from MIAMI DADE COLLEGE (“MDC”) into the Bachelor of Science (BS) in Biotechnology in the Department of Biological Sciences at FLORIDA GULF COAST UNIVERSITY (“FGCU”). It is intended to provide students awarded an Associate in Arts degree from MDC the opportunity to continue their college education at the university level.

ARTICULATION FROM
MIAMI DADE COLLEGE TO FLORIDA GULF COAST UNIVERSITY

MDC and FGCU agree to the following to facilitate transfer of students from the MDC Biotechnology Associate in Arts Degree Program to the FGCU Bachelor of Science (BS) in Biotechnology:

- A. As part of the acceptance into the FGCU B.S. in Biotechnology, a student must have received an Associate in Arts degree from MDC which includes the completion of certain program course work as set forth in Appendix “A”.
- B. Any student admitted into FGCU from the MDC Biotechnology Program and following the specifications in Appendix “A” of this agreement will be accepted into the FGCU Biotechnology Program as a Junior. By completing the Associate in Arts (AA) degree, students will satisfy the state-mandated 36 hour general education requirements.
- C. Once accepted at FGCU, the student will need to complete a minimum of **48** Credits at FGCU at a 3000 level or higher.
- D. FGCU will accept in transfer a maximum of **72** credit hours from the MDC student’s Associate in Arts degree in Biotechnology and general education coursework.
- E. Students remain subject to all other state and FGCU admission and graduation requirements as specified in the FGCU course catalog.
- F. FGCU will, to the best of its ability, counsel and advise MDC students through FGCU’s admission process with the assistance of Student Services, Chair of the Department of Biological Sciences, Biotechnology Program Leader, and College of Arts and Sciences advisors.
- G. An articulation between MDC and FGCU will prove beneficial to the students because FGCU’s Biotechnology Program will serve as a capstone to the Associate

in Arts degree students in Biotechnology planning to earn a baccalaureate and perhaps continue to graduate programs.

FGCU's Biotechnology Program is charged with producing quality undergraduates who possess a core liberal education, along with technical expertise in Biotechnology. It adheres to the fundamental principles of Biological Studies, which center on lifelong learning. It is located within an accredited university with multiple learning modes and staffed by a strong faculty with diverse research interests. The Biotechnology Program has also been strengthened by continued national and statewide growth in the industry, the support of the local science community, and the respect from Florida's two-year colleges which is evidenced by many signed articulation agreements with FGCU.

- H. Program changes by either institution can be incorporated into this Agreement by written amendment, as agreed to by both parties.
- I. This agreement will continuously be in force beginning with the 2007-2008 academic year at both institutions and for each successive year unless otherwise canceled by either institution. If this Agreement is canceled, it will affect only future students, and not affect students who have already been enrolled and accepted into either program with the understanding that current AA students must exercise their right to transfer within two years of the effective date of cancellation.
- J. If this agreement is canceled, such cancellation will affect only future students and not affect students who have already been enrolled and accepted into either MDC's or FGCU's program with the understanding that current AA students must exercise their right to transfer within two years of the effective date of cancellation.

This Articulation Agreement between Florida Gulf Coast University and Miami Dade College was accepted and approved by the participating entities on this 2nd day of JULY, 2007.

SIGNATURES:

FLORIDA GULF COAST UNIVERSITY
BOARD OF TRUSTEES

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for security

Dr. Richard Peggnetter
Interim President

Signature obscured
for security

Dr. Bonnie Yegidis,
Provost,
Academic Vice President

Signature obscured
for security

Dr. Donna Henry,
Dean, College of Arts and Sciences

MIAMI DADE COLLEGE

Signature obscured
for security

Dr. Eduardo J. Padrón
President


Signature obscured
for security

Dr. Norma Martin Goonen
Provost for Academic and
Student Affairs


APPENDIX A

**Articulated Program with Florida Gulf Coast University
Bachelor of Science Degree in Biotechnology**

Total General Education Credit Hours from MDC = 36 Credit hours
Total Credit Hours Earned from Biotechnology = 24 Credit hours
Total Credit Hours Transferable to FGCU = 72 Credit hours

Biotechnology Program Associates of Arts Degree		 Miami Dade College	
General Education Requirements		Credits	AA
Communications			
ENC-1101	English Composition 1	3	●
ENC-1102	English Composition 2	3	●
Oral Communications			
	3 credit selection from approved list	3	●
Humanities			
	3 credit selection from group A	3	●
	3 credit selection from group B	3	●
Behavioral Science/Social Environment			
	3 credit selection from group A	3	●
	3 credit selection from group B	3	●
Natural Sciences			
BSC-2010	Principles of Biology	3	●
CHM-1045	General Chemistry	3	●
Mathematics			
MAC-1105	Algebra	3	●
STA-2023	Statistical Methods	3	●
Elective			
CHM-1046	General Chemistry/Qualitative Analysis	3	●
	Area Total	36	
Biotechnology Core Courses			
BSC-2010L	Principles of Biology Lab 1	2	●
CHM-1045L	General Chemistry Lab	2	●
CHM-1046L	General Chemistry/Qualitative Analysis Lab	2	●
CHM-2210	Organic Chemistry 1	3	●
CHM-2210L	Organic Chemistry 1 Lab	2	●
CHM-2211	Organic Chemistry 2	3	●
CHM-2211L	Organic Chemistry 2 Lab	2	●
	3 credit selection from Biotech elective group	3	●
	2 credit selection from Biotech elective group	2	●
	3 credit selection from Biotech elective group	3	●
	Area Total	24	

TOTAL		60	
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Biotechnology Bachelor of Science Degree			
Course work in major*		Credits	BS
Core Courses (25 Hours)			
BCH-3023	Biochemistry	3	●
BSC-4422C	Methods in Biotechnology	3	●
BSC-4942	Senior Research in Biotechnology	2	●
BSC-4943	Senior Project	1	●
ISC-3120	Scientific Process	3	●
MCB-3020C	Microbiology	4	●
PCB-3023C	Cell Biology	3	●
PCB-3063C	Genetics	3	●
PCB-4522C	Molecular Genetics	3	●
	Area Total	25	
Coursework in research (2 hours from the following)			
BSC-4941	Internship in Biotechnology	1-3	●
BSC-4905	Directed Independent Study/Research	1-3	●
	Area Total	2	
Electives from the following (18 hours)			
BOT-4394C	Plant Molecular Biology	3	
BOT-4503	Plant Physiology	3	
MCB-4507C	Virology, Mycology, and Parasitology	3	
PCB-3xxxC	Animal Physiology	3	
PCB-3703	Human Physiology	3	
PCB-4233C	Immunology	3	
ZOO-4743C	Neuroscience	3	
OCB-4043C	Marine Ecology	3	
OCB-3463C	Marine Ecosystems Monitoring and Research	3	
EVS-4814	Environmental Toxicology	3	
PCB-3033C	Concepts of Ecology	2	
BCH-3025C	Analytical Biochemistry	3	
BSC-4XXX	Bioinformatics	3	
ISC-4131	Scientific Entrepreneurship	3	
MAC-2312	Calculus II	4	
PCB-4253C	Developmental Biology	3	
	Area Total	18	
Collegium of Integrated Learning (12 Hours)			
IDS-3300	Foundations of Civic Engagement	3	●
IDS-3301	Issues in Culture and Society	3	●
IDS-3303	Issues in Science and Technology	3	●
IDS-4910	Integrated Core Senior Seminar	3	●

	Area Total	12	
Additional Requirements			
IDS-3920	University Colloquium	3	•
	Area Total	3	
TOTAL		60	

*Students must complete the following if not completed prior to enrollment at FGCU.

- BSC 1011C General Biology w/Laboratory II or BSC 1011C General Biology II and BSC 1011L General Biology II Laboratory.
- PHY 2053C and 2054C College Physics with Lab (Acceptable substitute PHY X048/X048L or PHY X053/X053L; Acceptable substitute PHY X049/X049L or PHY X054/X054L)
- MAC 2311 Calculus I (4) Acceptable substitutes: MAC 2233, 2253, X281