

**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

Signature obscured  
for security

Dr. Richard Pegnetter  
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

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

<b>TOTAL</b>		<b>60</b>	
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<b>Biotechnology Bachelor of Science Degree</b>		
<b>Course work in major*</b>	<b>Credits</b>	<b>BS</b>
<b>Core Courses (25 Hours)</b>		
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	•
<b>Area Total</b>	<b>25</b>	
<b>Coursework in research (2 hours from the following)</b>		
BSC-4941 Internship in Biotechnology	1-3	•
BSC-4905 Directed Independent Study/Research	1-3	•
<b>Area Total</b>	<b>2</b>	
<b>Electives from the following (18 hours)</b>		
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	
<b>Area Total</b>	<b>18</b>	
<b>Collegium of Integrated Learning (12 Hours)</b>		
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	•

	<b>Area Total</b>	<b>12</b>	
<b>Additional Requirements</b>			
IDS-3920	University Colloquium	3	•
	<b>Area Total</b>	<b>3</b>	
<b>TOTAL</b>		<b>60</b>	

\*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