MEMORANDUM OF UNDERSTANDING
HARFORD COMMUNITY COLLEGE & TOWSON UNIVERSITY

June 18, 2012

Biological Sciences B.S. Degree: Functional Biology of Animals Concentration

Harford Community College in Bel Air, Maryland, and Towson University, agree to follow the articulation of courses outlined in the articulation (course equivalency) document, for completion of requirements for the Bachelor of Science degree in Biological Sciences: Functional Biology of Animals Concentration (Attachment A), which is attached to, and incorporated by reference into, this Memorandum of Understanding (MOU). The following principles guide the operation of this MOU, with the requirements for transfer in specific curricula set forth in Attachment A.

1. Towson University will accept a maximum number of 64 credits from Harford Community College as outlined in the Attachment A. The number of transferable credits specific to this program is reflected in Attachment A.

2. Students who have completed the Associate of Science Degree in the Biology program at Harford Community College may transfer into Towson University’s Biological Sciences: Functional Biology of Animals Concentration with junior standing provided that the student has completed all courses identified on Attachment A (which is attached to, and incorporated by reference into, this MOU) with a cumulative GPA of 2.00 or higher. Courses completed at Harford Community College with 300 or 400 level Towson University course equivalencies will transfer as lower-level credit but will satisfy course content provided that the student validates the course with a higher level course for which the transferred course is a prerequisite.

3. Only courses in which a grade of C (2.00) or better is earned will apply toward the major at Towson University.

4. In accordance with the MHEC transfer policy pertaining to general education requirements, Towson University will accept the completion of Harford Community College general education requirements (GenEds) and students will be required to complete courses at Towson University to satisfy the remaining University Core Curriculum requirements as shown in Attachment A.

5. Towson University recognizes college-level experiential learning gained through previous work, military and/or volunteer service or life experience. Credit for prior learning may also be established through course challenge or standardized credit by examination.

6. Harford Community College students transferring to Towson University will be given every consideration for financial aid and will be eligible to compete for academic scholarships upon entrance to Towson University subject to stated scholarship deadlines.
7. Both Harford Community College and Towson University agree to work together to facilitate the transfer of students from Partnering Institution to Towson University to work cooperatively to insure the high quality of the programs at the respective institutions. Transfer of students will be in accordance with policies and procedures of both institutions, as they may be amended from time to time.

8. This MOU will be in effect initially for ten years, beginning fall 2011 with a review every two years by both parties. Any revisions the parties deem necessary must be evidenced in writing and signed by the authorized officials of each institution. The MOU may be terminated by either party for due cause and after adequate notice of not less than six months is given to the other party.

9. Towson University will establish procedures to provide information on the academic progress of Harford Community College students enrolled as part of this MOU.

10. This MOU, when signed, constitutes the entire agreement between the parties and supersedes all prior agreements and understandings between the parties respecting the matter hereof.

HARFORD COMMUNITY COLLEGE AND TOWSON UNIVERSITY

Dr. M. Annette Haggray  
Vice President for Academic Affairs  
Date 6/30/12

Dr. James E. Dilisio  
Interim Provost and Vice-President for Academic Affairs  
Date 6/29/12

Ms. Deborah Wrobel  
Dean, Science, Technology, Engineering & Mathematics  
Date 6/29/12

Dr. David A. Vanko  
Dean, The Jess & Mildred Fisher College of Science & Mathematics  
Date 7/6/12
### TOWSON UNIVERSITY - Biological Sciences B.S. Degree - Functional Biology of Animals Concentration

<table>
<thead>
<tr>
<th>COURSE #</th>
<th>COURSE TITLE</th>
<th>CRS.</th>
<th>TU EQUIVALENCY</th>
<th>CORE</th>
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<td>ENGL 102</td>
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<td>MATH 119 MATH 273</td>
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<td>English Composition</td>
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<td>CIS 115***</td>
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<td>Creativity &amp; Creative Development</td>
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<td>Behavioral/Social Science</td>
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<td>CHEM 110 OR CHEM 131 AND CHEM 131L</td>
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<td>Social &amp; Behavioral Sciences</td>
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<td>The United States as a Nation</td>
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<td>Total CORE in Transfer</td>
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</table>

**Total Program Requirements at Harford** 63-64
**Total Credits in Transfer** 63-64

- 64 credit transfer maximum.
- Students must complete MATH 203 Calculus I at Harford Community College.

**Requires Course Directive for Core placement.**
HARFORD COMMUNITY COLLEGE - Biology A.S. Degree
TOWSON UNIVERSITY - Biological Sciences B.S. Degree - Functional Biology of Animals Concentration

Major Requirements to be completed at Towson for the Functional Biology of Animals Concentration

- BIOL 204 Educational and Career Planning (1)

Breadth Courses (12-20)
- BIOL 208 Biodiversity OR
  BIOL 205 General Botany AND
  BIOL 207 General Zoology (0, 3 or 8) (If BIO 202 Biodiversity is completed at HCC, this requirement is satisfied.)
- Choose one of the following:
  BIOL 405 Molecular Ecology
  BIOL 408 Cell Biology
  BIOL 409 Molecular Biology
  BIOL 213-214 Human Anatomy AND Physiology I, II OR
  BIOL 325 Animal Physiology AND
  One Focused Elective Course (8)

Elective Courses (9-12)
- BIOL 470 Advanced Physiology (4)
- Focused Electives: (2-4)
  Choose one from: BIOL 305, 315, 360, 367, 421, 427, 428, 463 (If BIOL 325 is selected above, choose two)
- Choose any biology elective from the list of electives in any Biology Concentration (3-4)

Total Credits to B.S. Degree (120)
- Harford Biology A.S. Degree 63-64
- Completion of Core at TU 15
- Completion of Major Requirements at TU 22-33
- Elective Credits at TU 8-20