MEMORANDUM OF UNDERSTANDING
HARFORD COMMUNITY COLLEGE & TOWSON UNIVERSITY
September 17, 2018

INFORMATION SYSTEMS – E-Government Track B.S. Degree

Harford Community College, 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 Information Systems – E-Government Track (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 Computer Science program at Harford Community College may transfer into Towson University’s Information Systems program 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 as indicated.

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’s general education requirements (GenEds) and students will be required to complete courses at Towson University to satisfy the remaining University Core 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 Harford Community College 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 2018, 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. Steven Thomas
Vice President for Academic Affairs
Date 9/28/2018

Dr. David Vanko
Interim Provost and Executive Vice-President of Academic Affairs
Date 9/26/18
Students who do not complete courses as outlined here may need to take additional Core courses at TU.

Students under this agreement will receive a Core Package if provided course selections at HCC are made as indicated in this agreement.

One General Education course from Arts and Humanities (A) or Social and Behavioral Sciences (B) must be a diversity (D) course.

<table>
<thead>
<tr>
<th>Core Package: 3.0 ACG 300</th>
<th>Minimum units in Transfer</th>
<th>Total units completed at HCC</th>
<th>Program Requirements Applied</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>PHI 241</td>
<td>MATH 223</td>
<td>MATH 210</td>
</tr>
<tr>
<td>1056A</td>
<td>Elective Credit and must take both COSC 226 and 331 AT TU.</td>
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<tr>
<td></td>
<td>2</td>
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<tr>
<td>1041F</td>
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<tr>
<td>1048E</td>
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<tr>
<td>1048E</td>
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Program Requirements/Prerequisites

<table>
<thead>
<tr>
<th>Units Applied to TU Core</th>
</tr>
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<tbody>
<tr>
<td>4</td>
</tr>
<tr>
<td>MATH 231</td>
</tr>
<tr>
<td>MATH 232</td>
</tr>
<tr>
<td>PS 101</td>
</tr>
<tr>
<td>BIO 101, 102</td>
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<tr>
<td>CHE 101</td>
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<tr>
<td>ENGL 101</td>
</tr>
</tbody>
</table>

Courses Required Math course for major at TU:

| 4999A                    | 4999B                    | 4999C                    |
| 1                        | 4                        | 4                        |
| MATH 211                 | MATH 212                 | MATH 213                 |
| 2                        | 2                        | 2                        |

Satisfies major track requirement at TU:

| 1011A                    | 1011B                    |
| 1                        | 1                        |
| MATH 231                 | MATH 232                 |
| 4                        | 4                        |

Table continues with various courses and units applied to TU Core.
Students who do not choose a MATH 216 course, should choose another General Education course as their "General Elective" to satisfy the requirement. HCC students who do not choose MATH 216 Introduction to Statistics as their "General Elective" will be required to take an additional Core course at TU.

- MATH 216 is a 4-credit course and will increase a student's total degree credits at HCC by 1.0 credits. Students will be able to complete Bachelor's degree in 120 credits.
- Students should choose MATH 216 Introduction to Statistics as their "General Elective" at HCC to satisfy Major and Core Curriculum requirements at TU.

Program requirements / electives:

- Students should choose PS 101 American National Government as one of their Behavioral/Social Science Electives at HCC to satisfy the major requirement.

General Education:

Harford Community College Community College Degree:

Towson University (TU)/ Information Systems – Government B.S. Degree

Harford Community College (HCC) Computer Science A.S. Degree
18.21 Units

E-Government Track

1) 3 Units
E-Government

2) 3 Units
Data Organization

3 Units

3) 3 Units
Writing for Business and Industry (continued above)  

3) 0 Units

Other Requirements

If students do not complete MATH 216 as indicated on page 1 and 2 of this agreement.

MATH 300 Introduction to Basic Statistics or
MATH 216** or Basic Statistics or
MATH 231** or basic statistics or

4) 3 Units

Required MATH Course

3 Units

Information Systems Capstone

3) 3 Units

Ethical & Societal Concerns of Computing (continued above)  

3) 3 Units
Software Project Management

3 Units

Organizational Database Management

3 Units

Systems Analysis and Design

3 Units

Human - Computer Interaction

3 Units

Telecommunications

3 Units

Enterprise Systems and Architecture

3 Units

Fundamentals of Web Technologies

3 Units

Fundamentals of Information Systems and Technology

24 Units

Required Information Systems (15) Courses

Students who do not complete MATH 216 or General Education Course as indicated on page 1 and 2 of this agreement may need an additional core course.

3) 3 Units
COSC 418 Ethical & Societal Concerns of Computing (continued)

3 Units

CIS 479 Software Project Management

3 Units

CIS 485 Organizational Database Management

3 Units

CIS 379 Systems Analysis and Design

3 Units

CIS 425 Human - Computer Interaction

3 Units

CIS 300 Telecommunications

3 Units

CIS 239 Enterprise Systems and Architecture

3 Units

CIS 231 Fundamentals of Web Technologies

3 Units

CIS 231 Fundamentals of Information Systems and Technology

24 Units

Core Curriculum Requirements to be completed at TLU:

3) 3 Units
COSC 418 Ethical & Societal Concerns of Computing (continued)

3 Units

ENGL 317 Writing for Business and Industry

6 - 9 Units

Core General Education, B.S. Degree

Texas Lutheran University (TLU) / Information Systems - E-Government B.S. Degree
32 units of the bachelor's degree must be completed at the upper level (courses numbered 300 or above).

- A cumulative grade point average (GPA) of 2.0 is required.
- A C (2.0) or higher is required in all major courses.

Bachelor's Degree Requirements:

- Additional credits depending on their course selections.

This program is designed to be completed in 120 credits. Students who do not take courses at HCC as outlined in this document may require additional units.

<table>
<thead>
<tr>
<th>Electives</th>
<th>Completion of Information Systems Program Requirements</th>
</tr>
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<tbody>
<tr>
<td>6</td>
<td>Harvard Community College Computer Science A.S.</td>
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</table>

Total Units: 120 Units

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>POSC 375</td>
<td>Political Administration</td>
</tr>
<tr>
<td>CS 495</td>
<td>Independent Study in Computer Information Systems</td>
</tr>
<tr>
<td>CS 445</td>
<td>Universal Usability: Designing Computer Interfaces for Blind Users</td>
</tr>
<tr>
<td>CS 425</td>
<td>Decision Support Systems</td>
</tr>
<tr>
<td>CS 433</td>
<td>Select Topics Information Systems</td>
</tr>
<tr>
<td>CS 377</td>
<td>Internship in Information Systems</td>
</tr>
<tr>
<td>CS 377</td>
<td>Information Systems Security</td>
</tr>
</tbody>
</table>

Select two of the following:

- POSC 207
- POSC 103
- American National Government

State Government

Townson University (TU)/Information Systems - Government B.S. Degree

Hartford Community College (HCC) Computer Science A.S. Degree