

**MEMORANDUM OF UNDERSTANDING**  
**CARROLL COMMUNITY COLLEGE & TOWSON UNIVERSITY**  
**April 15, 2019**

**EXERCISE SCIENCE B.S. Degree**

Carroll Community College, Westminster, 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 Exercise Science (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 Carroll 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 Arts Degree in Arts and Sciences, Exercise Science concentration program at Carroll Community College may transfer into Towson University's Exercise Science 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 Carroll 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 Carroll 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. Carroll 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 Carroll Community College and Towson University agree to work together to facilitate the transfer of students from Carroll 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 2019*, 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 Carroll 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.

CARROLL COMMUNITY COLLEGE AND TOWSON UNIVERSITY

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**Dr. Rosalie Mince**  
Vice President of  
**Academic and Student Affairs**

**Date** \_\_\_\_\_

\_\_\_\_\_  
**Dr. Melanie Perreault**  
Provost and Executive Vice-President  
for **Academic Affairs**

**Date** \_\_\_\_\_

CARROLL COMMUNITY COLLEGE / ARTS & SCIENCES – EXERCISE SCIENCE CONCENTRATION A.A. DEGREETOWSON UNIVERSITY / EXERCISE SCIENCE B.S. DEGREE

CARROLL COMMUNITY COLLEGE			TOWSON UNIVERSITY (TU)		
COURSE #	COURSE TITLE	CRS.	TU EQUIVALENCY	COMMENTS	COURSE ID#
<b>General Education Applied to CORE</b>					
				<i>Towson Seminar Waived</i>	<b>13192</b>
ENGL 101	College Writing ( <i>Composition</i> )	3	ENGL 102		<b>2348</b>
MATH 123*	Precalculus Part I ( <i>Mathematics</i> )	4	MATH 115	<i>Satisfies prerequisite for major courses at TU.</i>	<b>4379</b>
PHIL 105	Ethics ( <i>Arts &amp; Humanities</i> )	3	PHIL 103		<b>11712</b>
AH	Arts/Humanities Gen Ed	3	Varies by choice.		
PSYC 101*	General Psychology ( <i>Social &amp; Behavioral Science</i> )	3	PSYC 101	<i>Satisfies major requirement at TU.</i>	<b>7117</b>
SB	Social & Behavioral Science Gen Ed	3	Varies by choice.		
BIOL 101	Fundamentals of Biology I ( <i>Biological &amp; Physical Science</i> )	4	BIOL 191 & 191L	<i>Satisfies major requirement at TU.</i>	<b>13757 &amp; 13758</b>
BIOL 210	Human Anatomy & Physiology I ( <i>Biological &amp; Physical Science</i> )	4	BIOL 221 & 221L	<i>Satisfies major requirement at TU.</i>	<b>13248 &amp; 13249</b>
ENGL 102	Writing about Literature ( <i>Literature</i> )	3	ENGL TLL		<b>10267</b>
HLTH 101	Science & Theory of Health & Wellness ( <i>Gen Ed Elective</i> )	3	HLTH 101	<i>Satisfies major requirement at TU.</i>	<b>3624</b>
PHYS 101*	Fundamentals of Physics I ( <i>Gen Ed Elective</i> )	4	PHYS 211	<i>Satisfies major requirement at TU.</i>	<b>6800</b>
<b>Units Applied to TU Core</b>		<b>37</b>			
<b>Program Requirements/Electives</b>					
BIOL 211	Human Anatomy & Physiology II	4	BIOL 222 & 222L	<i>Satisfies major requirement at TU.</i>	<b>13250 &amp; 12351</b>
HES 105	Introduction to Exercise Science	3	KNES 297	<i>Satisfies major requirement at TU.</i>	<b>12473</b>
PHED 101	Lifetime Fitness and Wellness	3	KNES 235		<b>4176</b>
CHEM 101 <i>or</i> CHEM 105*	Introduction to Chemistry <i>or</i> Principles of General Chemistry I [ <i>program elective</i> ]	4	CHEM 121 & 121L <i>or</i> CHEM 131 & 131L	<i>Satisfies major requirement at TU.</i>	<b>13093 &amp; 13094</b> <b>13097 &amp; 13098</b>
HES 110*	Care and Prevention of Athletic Injuries [ <i>program elective</i> ]	3	KNES T15	<i>Lower-level equivalent of KNES 315. Satisfies major requirement at TU.</i>	<b>11221</b>
HES 230*	Health Behavior & Coaching [ <i>program elective</i> ]	3	KNES T72	<i>Lower-level equivalent of KNES 372. Satisfies major elective at TU.</i>	<b>13907</b>
Elective	Program Elective	3	Depends on choice.		
<b>Program Requirements Applied</b>		<b>23</b>	<b>Transfer CORE Package: Core Package 4**</b>		
<b>Total Units Completed at Carroll CC</b>		<b>60</b>			
<b>Maximum Units in Transfer</b>		<b>64</b>			

\*Recommended course satisfies a requirement for both the Associate's degree and Bachelor's degree. See page 2 for course selection details.

\*\*The Core Package 4 indicates that students must only complete Core 9 Advanced Writing Seminar at TU. Students who do not take follow the general education elective recommendations may receive a core package which requires them to complete an additional Core requirement (depending on their course selection).

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## Carroll CC Course Selection

To qualify for this agreement, students must follow the course selections outlined in this document. Students who do not complete any or all of the courses outlined in this agreement will be required to complete the requirement at TU.

### GENERAL EDUCATION:

1. Students should choose **MATH 123 Precalculus Part I** as their **Mathematics General Education course** in order to satisfy a Core Curriculum requirement and course prerequisites in the major at TU. Students who do not complete MATH 123 at Carroll CC may be required to complete MATH 115 prior to enrolling in KNES 265, KNES 311, and KNES 364 at TU.
2. Students should choose **PSYC 101 General Psychology** as one of their **Social and Behavioral Science General Education courses** in order to satisfy a Core Curriculum requirement at TU and additional required course within the major at TU. Students who do not complete PSYC 101 at Carroll CC will be required to complete PSYC 101 at TU.
3. Students take **PHYS 101 Fundamentals of Physics I** as their **General Education Elective** in order to satisfy a required course in the major at TU. Students who do not complete PHYS 101 will be required to complete PHYS 211 or 202 at TU.

### PROGRAM ELECTIVES:

1. Students should select **CHEM 101 Introduction to Chemistry** or **CHEM 105 Principles of General Chemistry I** as a **program elective** in order to satisfy a required course in the major at TU. Students who do not complete CHEM 101 or CHEM 105 will be required to complete CHEM 121 and 121L or CHEM 131 and 131L at TU.
2. Students should select **HES 110 Care and Prevention of Athletic Injuries** as a **program elective** in order to satisfy an elective requirement in the major at TU. This course will transfer as a lower-level equivalent of an upper-level course (KNES 315). Students who do not complete HES 110 will be required to complete an additional major elective at TU.
3. Students should select **HES 230 Health Behavior & Coaching** as a **program elective** in order to satisfy a required course in the major at TU. This course will transfer as a lower-level equivalent of an upper-level course (KNES 372). Students who do not complete HES 230 will be required to complete an additional elective in the major at TU.

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**DEGREE REQUIREMENTS TO BE COMPLETED AT TU**

**CORE CURRICULUM REQUIREMENTS:** **3 UNITS**

Core 9            Advanced Writing Seminar (*KNES 469*) 3 units

**REQUIRED EXERCISE SCIENCE COURSES:** **18 UNITS**

KNES 265        Fundamentals in Health and Physical Assessment 3 units

KNES 313        Physiology of Exercise 3 units

KNES 361        Exercise Psychology 3 units

*or* KNES 355     Psychology of Sport 3 units

KNES 364        Clinical Exercise Assessment and Prescription 3 units

KNES 367        Quantitative Research Methods 3 units

KNES 469        Research Methods in Exercise Science (*counted above – Core 9*) (3 units)

***Choose one of the following:*** 3 units

KNES 311        Biomechanics

*or* KNES 341     Concepts of Motor Learning

*or* KNES 217     Functional Anatomy for Exercise Science

**MAJOR ELECTIVES** **9 UNITS**

A current list of KNES elective courses can be found in the TU catalog. A course may not apply to both a required course and the elective total.

**GENERAL ELECTIVES** **30 UNITS**

These may be satisfied through a number of options such as additional major electives, adding a minor, or electives of personal and professional interest.

**ADDITIONAL BACHELOR'S DEGREE REQUIREMENTS:**

- A C (2.0) or higher is required in all major courses.
- A cumulative grade point average (GPA) of 2.0 is required.
- 32 units of the bachelor's degree must be completed at the upper level (courses numbered 300 or above).

**TOTAL UNITS TO B.S. DEGREE** **120 UNITS**

Carroll CC Arts & Sciences, Exercise Science Concentration AA Degree 60

TU Core Curriculum Requirements 3

TU Exercise Science Major 27

General Electives 30