

**APPENDIX 1  
ARTICULATION AND TRANSFER TABLE**

Cuyahoga Community College: AAS in Sport and Exercise Studies Program  
Kent State University: BS Exercise Science

<b>EQUIVALENCIES CURRENTLY ON THE TRAFNER TABLES</b>			
<b>Cuyahoga Community College</b>	<b>Credits</b>	<b>KENT STATE UNIVERSITY</b>	<b>Credits</b>
<b>OTM English Composition</b>		<b>Kent Core Composition (6 credits)</b>	
ENG 1010 College Composition I	3	Fulfills ENG 11011 College Writing I	3
ENG 1020 College Composition II	3	ENG 21011 College Writing II	3
<b>OTM Mathematics, Statics and Logic</b>		<b>Kent Core Math/Critical Reasoning (3 credits)</b>	
MATH 1410 or MATH 1530	3	MATH 11010 Algebra for Calculus (3) or Higher-level MATH course	3
<b>OTHM Arts and Humanities</b>		<b>Kent Core Humanities or Fine Arts (9 credits)</b>	
Numerous course options available*	9	Minimum one course each from Fine Arts & Humanities*	9
<b>OTM Social and Behavioral Sciences</b>		<b>Kent Core Social Sciences (6 credits)</b>	
PSY 1010 or 101H General Psychology	3	PSYC 11762 General Psychology	3
PSY 2100 Introduction to Aging	3	GERO 14029 Introduction to Gerontology	3
<b>OTM Natural Sciences</b>		<b>Kent Core Basic Sciences (8 credits)</b>	
CHEM 1300 General Chemistry I	4	CHEM 10060 General Chemistry I	4
CHEM 130L General Chemistry I Lab	1	CHEM 10062 General Chemistry I Lab	1
CHEM 1310 General Chemistry II	4	CHEM 10061 General Chemistry II	4
CHEM 131L General Chemistry II Lab	1	CHEM 10063 General Chemistry II Lab	1
<b>OTM (additional)</b>		<b>Kent Core Additional (6 credits)</b>	
DIET 1200 Basic Nutrition	3	NUTR 23511 Science of Human Nutrition	3
		Fulfilled with science course above	3
<b>Program Requirements</b>		<b>Program Requirements</b>	
BIO 1050 Principles of Biology I	4	BSCI 10001 Human Biology Or BSCI xxxxx (fulfills EXSC general elective) Or BSCI 10120 Biological Foundations (fulfills Kent Core Basic Sciences Lab)	3
BIO 2331 Anatomy and Physiology I (4) And 2341 Anatomy and Physiology II (4)	8	BSCI 20020 Biological Structure and Function (5) but fulfills EXSC25058 Human Anatomy/Physiology II (4)	4
HLTH 1100 Personal Health Education	3	HED 11570 Personal Health (general elective)	3
HLTH 1310 Cardiopulmonary Resuscitation Or HLTH 1230 Standard First Aid and Personal Safety	3	HED 1x*** (general elective)	3
SES1001 Introduction to Sport and Exercise Studies	1	EXSC151010 Introduction to Exercise Science	
SES 1040 Teaching Exercise Training Techniques	2	PWS 1X*** (general elective)	
SES 1100 Fundamentals of Fitness and Sport MGMT (SES Technical Elective)	3	PWS 1X*** (general elective)	
SES 1201 Fitness and Wellness Coaching	3	PWS 1X*** (general elective)	
SES 2100 Sport and Exercise Physiology	3	EXSC45080 Physiology of Exercise	
SES 2130 Kinesiology Skills (program Requirement) or SES 2340 Analysis of Motor (Technical Elective)	3	EXSC35054 Biomechanics	
SES 2300 Personal Training Certification (SES Technical Elective)	3	EXSC35023 Certification Preparation	
SES 2310 Advanced Training Concepts/Techniques	3	ATTR 35040 Strength and Conditioning	
SES2320 Group Fitness Instructor (SES Technical Elective)	3	EXSC35022 Exercise Leadership	
SES 2330 Motor Learning & Development (SES Technical Elective)	3	PEP 25033 Lifespan Motor Development	3

SES 2350 Exercise for Special Populations (SES Technical Elective)	3	EXSC 2X*** (general elective)	3
SES 2400 Sports Coaching: Principles and concepts (SES Technical Elective)	3	EXSC 2x*** (general elective)	3
SES 2840 Practicum: Sport and Exercise Studies	2	EXSC 2x*** (general elective)	2
Exercise Physiology Concentration			
CHEM 2300 Organic Chemistry I	5	CHEM 20481 Basic Organic Chemistry I	4
SES 2000 Essentials of Sports Injury Care	3	ATTR 25036 Principles of Athletic Training	3
Exercise Specialist Concentration			
SES 2410 Exercise Testing and Prescription	3	EXSC 45065 Exercise Testing	3
SES 2420 Advanced Exercise Testing and Prescription	3	EXSC 35075 Exercise Programming	3

*\* Students should select one course that is designated global diversity and one that is designated domestic diversity*

<b>APPROVED NEW / REVISED EQUIVALENCIES TO BE PUT ON THE TRANSFER TABLES</b>			
<b>COLLEGE/UNIVERSITY</b>	<b>Credits</b>	<b>KENT STATE UNIVERSITY</b>	<b>Credits</b>
BIO 2331 Anatomy & Physiology I (4) And BIO 2341 Anatomy and Physiology II (4) <b>WITH SUBMISSION OF AN EXCEPTION FORM, WILL NOT AUTOMATICALLY TRANSFER</b> because this is already listed as an equivalency to BSCI 21010 and 21020	8	EXSC 25057 Anatomy & Physiology I (4) And EXSC 25058 Anatomy and Physiology II (4) <b>WITH SUBMISSION OF AN EXCEPTION FORM, WILL NOT AUTOMATICALLY TRANSFER</b> because this is already listed as an equivalency to BSCI 21010 and 21020	6
SES 2XXX	3	EXSC 2x*** (general elective)	3
<b>COURSES WITH NO APPROVED EQUIVALENCES- TO BE TAKEN AT KENT STATE</b>			
		ATTR 45039 Therapeutic Rehabilitation (Exercise Specialist)	3
		ATTR 45040 Pathology and Pharmacology (Exercise Specialist)	3 1
		EXSC 35068 Statistics for Exercise Scientist	3
		EXSC 40612 Exercise Leadership for Older Adult (Exercise Specialist)	3
		EXSC 45070 Electrocardiography for the Exercise Physiologist (Exercise Specialist)	3
		EXSC 45096 Individual Investigation in Exercise Science (Exercise Physiologist)	3
		EXSC 45481 Seminar in Exercise Physiology	1
		EXSC 45492 Internship in Physical Fitness/Cardiac Rehabilitation (Exercise Specialist)	3
		NUTR 33512 Nutrition (Exercise Physiologist)	3

**APPENDIX 2  
SUGGESTED SEMESTER SEQUENCES**

**Exercise Physiology Concentration**

Cuyahoga Community College: AAS in Sport and Exercise Studies Program

Kent State University: BS Exercise Science, **Exercise Physiology Concentration**

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
<b>Semester One: [16-17 Credit Hours] Cuyahoga Community College</b>			
BIO 1500 # Principles of Biology I	4		Fulfills BSCI11x***, general elective or #fulfills BSCI 10120 Biological Foundations, Kent Core Basic Sciences Lab
ENG 1010 # or ENG 101H # College Composition I	3		#Fulfills ENG 11011 College Writing I, Kent Core Comp
HLTH 1100 Personal Health Education	3		Fulfills HED 11570 HED 1x***, general elective
HLTH/EMT 1310 Cardiopulmonary Resuscitation or HLTH 1230 Standard First Aid and Personal Safety	1		HLTH courses fulfill HED 1x***, general elective
SES 1001 Introduction to Sport and Exercise Studies	2		Fulfills EXSC 1510 Introduction to Exercise Science
SES 1040 Teaching Exercise Training Techniques	3		Fulfills PWS 1X***, general elective
<b>Semester Two: [16-17 Credit Hours] Cuyahoga Community College</b>			
BIO 2331** Anatomy and Physiology I	4		With BIO 2341, fulfills BSCI 20020 Biological Structure and Function, which may fulfill EXSC 25058 Human Anatomy and Physiology II; see important note below
MATH 1XXX # 1000 level MATH course or higher Recommend #MATH 1530 College Algebra (Must be OTM Math Course)	3-4		#Fulfills Kent Core Mathematics and Critical Reasoning #MATHH 11010 Algebra for Calculus
SES 1201 Fitness and Wellness Coaching	3		Fulfills WAS 12424 Exercise/Weight Control, general elective
SES 2000 Essentials of Sports Injury Care	3		Fulfills ATTR 25036 Principles of Athletic Training, Fulfills EXPH requirement; EXSP general elective
SES 2310 Advanced Training Concepts/Techniques	3	■	Fulfills ATTR 35040 Strength and Conditioning
<b>Semester Three: [16 Credit Hours] Cuyahoga Community College</b>			
ENG 1020 #/ 102H # College Composition II (or COMM 1010 # or 101H #)	3		#Fulfills ENG 21011 College Writing II, Kent Core Composition
BIO 2341** Anatomy & Physiology II	4		With BIO 2331, fulfills BSCI 20020 Biological Structure and Function, which may fulfill EXSC 25058 Human Anatomy and Physiology II; see important note below
PSY 1010 # or PSY 101H # General Psychology	3		#Fulfills PSY 11762 General Psychology, Kent Core Social Science

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
SES 2100 Sport & Exercise Physiology	3	■	Fulfills EXSC 45080 Physiology of Exercise, fulfills Writing Intensive Requirement (WIC) with a minimum of a C
SES 2410 Exercise Testing and Prescription	3	■	Fulfills EXSV 45065 Exercise Testing, fulfills Exercise Specialist Concentration; Exercise Physiology general elective
<b>Semester Four: [14 Credit Hours] Cuyahoga Community College</b>			
DIET 1200 # Basic Nutrition	3		#Fulfills NUTR 23511 Science of Human Nutrition, Kent Core Additional
SES 2130 Kinesiology Skills	3	■	Fulfills EXSC 35054 Biomechanics **
SES 2420 Advanced Exercise Testing and Prescription	3	■	Fulfills EXSC 35075 Exercise Programming**, fulfills EXSP requirements, EXPH general elective
SES 2840 Practicum: Sport and Exercise Studies	2		Fulfills EXSC 2x***, general elective
SES 2XXX* (Technical Elective)	3		Several fulfill EXSC requirements, check transfer table
<b>62 Total Credit Hours to Graduate with the AAS Degree from Cuyahoga Community College</b>			

# Course will fulfill Kent State University's Kent Core (general education) requirement.

\*Students should not choose SES 2340 as an elective as it will result in duplicate credit which cannot be counted toward the BS

\*\*BIO 2331 + BIO 2341 fulfills BSCI 20020 Biological Structure & Function, which fulfills EXSC 25058 Human Anatomy & Physiology II. However, WITH SUBMISSION OF AN EXCEPTION FORM, BIO 2331 + BIO 2341 may fulfill EXSC 25057 and 25058 Human Anatomy & Physiology I and II

Cuyahoga Community College: AAS in Sport and Exercise Studies Program  
 Kent State University: BS Exercise Science, **Exercise Physiology Concentration**

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
<b>Semester Five: [16 Credit Hours] Kent State University</b>			
CHEM 10060 @ General Chemistry I	4		@CHEM 1300 General Chemistry I, fulfills Kent Core Basic Science requirement
CHEM 10062 @ General Chemistry I Lab	1		@CHEM 130L General Chemistry Lab, fulfills Kent Core Basic Science Lab requirement
EXSC 35068**** Statistics for the Exercise Scientist	3	■	
Kent Core @ Humanities	3		@See CCC Transfer Module
Kent Core @ Fine Arts	3		@See CCC Transfer Module
General Electives*** (lower or upper division)	2		
<b>Semester Six: [14 Credit Hours] Kent State University</b>			
CHEM 10061 @ General Chemistry II	4		@CHEM 1310 General Chemistry I, fulfills Kent Core Basic Science requirement
CHEM 10063 @ General Chemistry II Lab	1		@CHEM 131L General Chemistry Lab, fulfills Kent Core Basic Science Lab requirement
EXSC 35022 @**** Exercise Leadership	3	■	@SES 2320 Group Fitness Instruction
GERO 14029 @ Introduction to Gerontology	3		@PSY 2100 Introduction to Aging, fulfills Kent Core Social Science requirement
Kent Core @ Humanities or Fine Arts	3		@See CCC Transfer Module
<b>Semester Seven: [16 Credit Hours] Kent State University</b>			
CHEM 20481 @**** Basic Organic Chemistry	4		@CHEM 2300 Organic Chemistry I, fall only
EXSC 35023 @**** Certification Preparation	2	■	@SES 2300 Personal Training Certification
EXSC 45481**** Seminar in Exercise Physiology	1	■	
General Electives*** (upper division)	9	■	
<b>Semester Eight: [16 Credit Hours] Kent State University</b>			
PEP 25033 @**** Lifespan Motor Development**	3		@SES 2330 Motor Learning Development
EXSC 45096**** Individual Investigation in Exercise Science	3	■	Fulfills experiential learning requirement
NUTR 33512**** Nutrition	3	■	
General Electives*** (lower or upper division)	7	■	
<b>121-124 Total Credit Hours to Graduate with the BS, including transfer coursework, from Kent State University</b>			

\*\*\*Electives should be chosen in consultation with an academic advisor

\*\*\*\*Must obtain a minimum 2.25 GPA in major coursework for graduation

@ Course may be taken at Cuyahoga Community College and transferred to Kent State. However, please be aware of Kent State's residence policy (see Academic Policies section in current Kent State University catalog for more information [www.kent.edu/catalog](http://www.kent.edu/catalog)).

Requirements to graduate with the BS degree program: To graduate, students must have minimum 121 credits hours, 39 upper-division credits hours of coursework, a minimum 2.250 major GPA and minimum 2.00 cumulative GPA. They must also fulfill an approved experiential learning experience, a two-course diversity requirement (domestic and global), complete a writing intensive course with a minimum C (2.000) grade. More specific graduation requirement information can be found in the Academic Policies section of the Kent State University Catalog ([www.kent.edu/catalog](http://www.kent.edu/catalog)).

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## Exercise Specialist Concentration

Cuyahoga Community College: AAS in Sport and Exercise Studies Program

Kent State University: BS Exercise Science, **Exercise Specialist Concentration**

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
<b>Semester One: [16-17 Credit Hours] Cuyahoga Community College</b>			
BIO 1500 # Principles of Biology I	4		Fulfills BSCI11x***, general elective or #fulfills BSCI 10120 Biological Foundations, Kent Core Basic Sciences Lab
ENG 1010 # or ENG 101H # College Composition I	3		#Fulfills ENG 11011 College Writing I, Kent Core Comp
HLTH 1100 Personal Health Education	3		Fulfills HED 11570 HED 1x***, general elective
HLTH/EMT 1310 Cardiopulmonary Resuscitation or HLTH 1230 Standard First Aid and Personal Safety	1		HLTH courses fulfill HED 1x***, general elective
SES 1001 Introduction to Sport and Exercise Studies	2		Fulfills EXSC 1510 Introduction to Exercise Science
SES 1040 Teaching Exercise Training Techniques	3		Fulfills PWS 1X***, general elective
<b>Semester Two: [16-17 Credit Hours] Cuyahoga Community College</b>			
BIO 2331** Anatomy and Physiology I	4		With BIO 2341, fulfills BSCI 20020 Biological Structure and Function, which may fulfill EXSC 25058 Human Anatomy and Physiology II; see important note below
MATH 1XXX # 1000 level MATH course or higher Recommend #MATH 1530 College Algebra	3-4		#Fulfills Kent Core Mathematics and Critical Reasoning #MATHH 11010 Algebra for Calculus
SES 1201 Fitness and Wellness Coaching	3		Fulfills WAS 12424 Exercise/Weight Control, general elective
SES 2000 Essentials of Sports Injury Care	3		Fulfills ATTR 25036 Principles of Athletic Training, Fulfills EXPH requirement; EXSP general elective
SES 2310 Advanced Training Concepts/Techniques	3	■	Fulfills ATTR 35040 Strength and Conditioning
<b>Semester Three: [16 Credit Hours] Cuyahoga Community College</b>			
ENG 1020 #/ 102H # College Composition II (or COMM 1010 # or 101H #)	3		#Fulfills ENG 21011 College Writing II, Kent Core Composition
BIO 2341** Anatomy & Physiology II	4		With BIO 2331, fulfills BSCI 20020 Biological Structure and Function, which may fulfill EXSC 25058 Human Anatomy and Physiology II; see important note below
PSY 1010 # or PSY 101H # General Psychology	3		#Fulfills PSY 11762 General Psychology, Kent Core Social Science
SES 2100 Sport & Exercise Physiology	3	■	Fulfills EXSC 45080 Physiology of Exercise, fulfills Writing Intensive Requirement (WIC) with a minimum of a C

Course Subject and Title	Credit Hours	Upper Division	Notes on Transfer Coursework to Kent State
SES 2410 Exercise Testing and Prescription	3	■	Fulfills EXSV 45065 Exercise Testing, fulfills Exercise Specialist Concentration; Exercise Physiology general elective
<b>Semester Four: [14 Credit Hours] Cuyahoga Community College</b>			
DIET 1200 # Basic Nutrition	3		#Fulfills NUTR 23511 Science of Human Nutrition, Kent Core Additional
SES 2130 Kinesiology Skills	3	■	Fulfills EXSC 35054 Biomechanics **
SES 2420 Advanced Exercise Testing and Prescription	3	■	Fulfills EXSC 35075 Exercise Programming**, fulfills EXSP requirements, EXPH general elective
SES 2840 Practicum: Sport and Exercise Studies	2		Fulfills EXSC 2x***, general elective
SES 2XXX* (Technical Elective)	3		Several fulfill EXSC requirements, check transfer table
<b>62 Total Credit Hours to Graduate with the AAS Degree from Cuyahoga Community College</b>			

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CHEM 10062 @ General Chemistry I Lab	1		@CHEM 130L General Chemistry Lab, fulfills Kent Core Basic Science Lab requirement
GERO 14029 @ Introduction to Gerontology	3		
Kent Core @ Humanities	3		@See CCC Transfer Module
Kent Core @ Fine Arts	3		@See CCC Transfer Module
General Electives*** (lower or upper division)	2		
<b>Semester Six: [16 Credit Hours] Kent State University</b>			
CHEM 10061 @ General Chemistry II	4		@CHEM 1310 General Chemistry I, fulfills Kent Core Basic Science requirement
CHEM 10063 @ General Chemistry II Lab	1		@CHEM 131L General Chemistry Lab, fulfills Kent Core Basic Science Lab requirement
EXSC 35068 @**** Statistics for the Exercise Scientist	3	■	@SES 2320 Group Fitness Instruction
EXSC 45481**** Seminar in Exercise Physiology	3		
Kent Core @ Humanities or Fine Arts	3		@See CCC Transfer Module
General Electives*** (lower or upper division)	2		
<b>Semester Seven: [15 Credit Hours] Kent State University</b>			
ATTR 45039 **** Therapeutic Rehabilitation	3	■	
ATTR 45040 **** Pathology and Pharmacology	3	■	
EXSC 40612 **** Exercise Leadership for the Older Adult	3	■	
EXSC 45070**** Electrocardiography for the Exercise Physiologist	3	■	
EXSC 35022@**** Exercise Leadership	3	■	@SES 2320 Group Exercise Instruction
<b>Semester Eight: [16 Credit Hours] Kent State University</b>			
PEP 25033 @**** Lifespan Motor Development	3		@SES 2330 Motor Learning Development
EXSC 45492**** Internship in Physical Fitness/Cardiac Rehabilitation	3	■	
EXSC 35023@**** Certification Preparation	3	■	@SES 2300 Personal Training Certification
General Electives*** (lower or upper division)	7		
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