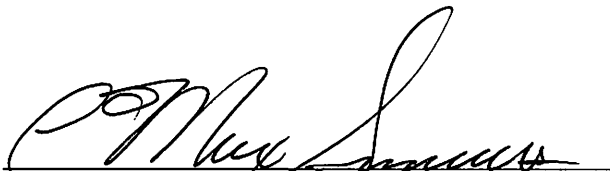



**Transfer Agreement
Between
Oklahoma City Community College
and
University of Science and Arts of Oklahoma**

Effective Academic Year: 2018-2019

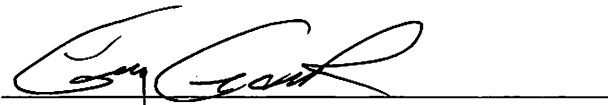
**Oklahoma City Community College: A.S. Science with Physics Concentration
and
University of Science and Arts of Oklahoma: B.S. Physics**


C. Max Simmons, Dean
Science, Engineering and Mathematics

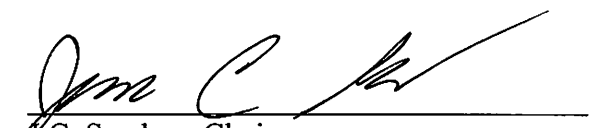
12/8/17
Date


Kim Jameson
Associate Vice President for Academic Affairs


12/8/17
Date


Greg Gardner
Vice President for Academic Affairs

12/8/17
Date


J.C. Sanders, Chair
Science and Physical Education

12/8/17
Date


Krista Maxson
Vice President for Academic Affairs

12/8/2017
Date



A.S. in Science with Physics Concentration at OCCC - B.S. in Physics at USAO



Oklahoma City Community College		Hours	University of Science and Arts of Oklahoma		Hours
ENGL 1113	English Composition I	3	IDS 1113	Writing I	3
ENGL 1213	English Composition II	3	IDS 1213	Writing II	3
POLSC 1113	American Federal Government	3	IDS 2133	American Civilization I	3
HIST 1483 or 1493	U.S. History Course	3	IDS 2143	American Civilization II	3
BIO	Biological Science	3	IDS 2023	Foundations of Life Science	3
SCL 1001	Success in College and Life	1	NSCI 1711	Success in STEM	1
FA SUPPORT	Faculty Approved Support Electives	3			
SOC SC	Social Science Elective	3			
HUM	Humanities Elective	3			
GEN ED	Gen Ed Elective	3			
CHEM 1115	General Chemistry I	5	CHEM 1111 & 1113	General Chemistry I & Lab	4
CHEM 1215	General Chemistry II	5	CHEM 1121 & 1123	General Chemistry II & Lab	4
CS 1143	Beginning Programming	3	CSCI 1143	Introduction to Computing	3
MATH 2104	Calculus and Analytic Geometry I	4	MATH 1743	Calculus and Analytic Geometry I	3
MATH 2104, 2214	Calculus and Analytic Geometry I, II	8	MATH 1743, 2223, 2243	Calculus and Analytic Geometry I, II, III	9
MATH 2104, 2214, & 2314	Calculus and Analytic Geometry I, II, III	12	MATH 1743, 2223, 2243, & 3263	Calculus and Analytic Geometry I, II, III, IV	12
MATH 2413	Introduction to Ordinary Differential	3	MATH 3353	Differential Equations	3
PHYS 2014	Engineering Physics I	4	PHYS 1301 & 2214	General Physics I with Calculus	5
PHYS 2114	Engineering Physics II	4	PHYS 1401 & 2224	General Physics II with Calculus	5
PHYS 2223	Modern Physics for Engineers	3	PHYS 2513	Modern Physics	3

**An A.S. degree from OCCC satisfies
USAO's Interdisciplinary Studies Core Curriculum Requirements**

Must include all coursework required for the A.S. degree (see OCCC catalog)

Minimum of 61-62 credit hours required for A.S. degree

Remaining USAO Courses (62-63 hours)

17 hours in Physics, 3 hours in Mathematics (these are MINIMUMS)

Physics Required Courses -- 17 hours

		Hours
PHYS 3013	Math. and Comp. Methods in Physics	3
PHYS 3113	Physical Mechanics	3
PHYS 3213	Electricity and Magnetism - Field Theory	3
PHYS 4003	Quantum Mechanics	3
PHYS 4102	Advanced Laboratory	2
PHYS 4113	Wave Motion and Physical Optics	3

Mathematics Required Courses -- 3 hours

MATH 3233	Linear Algebra	3
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Additional Required Courses

NSCI 2710 or	STEM Communication	or	0
NSCI 2711	STEM Communication		1
NSCI 3710 or	Next Step Preparation	or	0
NSCI 3711	Next Step Preparation		1

Elective Courses -- 42-43 hours

A minimum of 124 hours is required

A minimum of 40 hours of upper division work is required

**The physics major exit exam is required
Degree requirements effective July 2017**

