



#### Associate in Science in Physics (TCC) to **Bachelor of Science in Physics (OSU)**

#### TULSA COMMUNITY COLLEGE (years 1 and 2) - 2020-21

Year One – Tulsa Community College					
Fall Semester		Spring Semester			
TCC Equivalent or Substitute	OSU Requirement	✓	TCC Equivalent or Substitute	OSU Requirement	<b>✓</b>
ENGL 1113 – Composition I	ENGL 1113		ENGL 1213 – Composition II	ENGL 1213	
HIST 1483 – Am Hist 1492 - Civil War	HIST 1483 (H)		POLS 1113 – American Federal	POLS 1113	
or	or		Government		
HIST 1493 – Am Hist Civil War - now	HIST 1493 (DH)				
*MATH 2114 – Analytic Geometry	MATH 2144 (A)		MATH 2124 – Analytic Geometry and	MATH 2153 (A)	
and Calculus I			Calculus II	+ 1 hour general	
				elective	
3 hours General Education	(A, H, N, or S)		SOCI 2123 – Introduction to Cultural	ANTH 2 (HIS)	
Recommended Elective	Additional General		Anthropology		
(not PHYS)	Education		OR	(3 hours general	
			Select one 3-hour course from the	elective)	
			following: Psychology, Social		
			Sciences, Foreign Language, or Fine		
			Arts (Art, Music, Theatre).		
			Humanities (3 credit hours)	(H) Humanities	
Semester Credit Hours at TCC: 13		Semester Credit Hours at TCC: 16			

<sup>\*</sup>Additional preparatory course work may be required if students do not meet a minimum placement score on a secondary placement test. In this case, the total credit hours required to complete the degree will exceed 120. If additional Math is required, it will fill any open General Education electives. If General Education electives have already been met, then this degree could require up to 65-66 hours to complete. See your academic advisor for more information.

Year Two – Tulsa Community College						
Fall Semester		Spring Semester				
TCC Equivalent or Substitute	OSU Requirement	<b>√</b>	TCC Equivalent or Substitute	OSU Requirement	<b>✓</b>	
Humanities (3 credit hours)	(H) Humanities		COMM 1113 – Public Speaking	SPCH 2713 (S)		
MATH 2134 – Analytic Geometry and	MATH 2163 (A)		MATH 2613 – Elementary	MATH 2223		
Calculus III	+ 1 hour Additional		Differential Equations			
General Education Recommended	General Education		General Education Recommended			
Elective			Elective			
PHYS 2034 –Physics I with Calculus	PHYS 2014 (LN)		PHYS 2124 – Physics II with Calculus	PHYS 2114 (LN)		
CHEM 1315 – General Chemistry I	CHEM 1314 (LN) +		CHEM 1415 – General Chemistry II	CHEM 1515 (LN)		
	1 hour Additional					
	General Education					
Semester Credit Hours at TCC: 16		Semester Credit Hours at TCC: 15				

Before transferring to OSU, have the TCC Registrar send an official transcript to the OSU Admissions Office with any degrees earned noted on the transcript. If you have not completed the requirements for an associate degree, talk with your OSU Academic Advisor about Reverse Transfer options to use OSU coursework to complete your TCC associate degree.









#### OKLAHOMA STATE UNIVERSITY (years 3 and 4) - 2020-21

Year Three – Oklahoma State University						
Fall Semester		Spring Semester				
OSU Requirement	✓	OSU Requirement	<b>√</b>			
PHYS 3013 – Mechanics I		PHYS 2203 – University Physics III				
PHYS 3323 – Modern Laboratory Methods I		PHYS 3623 – Modern Laboratory Methods II				
3 hours Upper-Division Related		PHYS 3513 – Mathematical Physics				
3 hours Natural Science (N)		3 hours Upper-Division Related				
3 hour Upper-Division General Education with		3 hours Upper-Division General Education with Diversity				
International Designation (not PHYS)		Designation (not PHYS)				
Semester Credit Hours at OSU: 15		Semester Credit Hours at OSU: 15				

Year Four – Oklahoma State University					
Fall Semester		Spring Semester			
OSU Requirement	✓	OSU Requirement	<b>✓</b>		
PHYS 4113 – Electricity and Magnetism		PHYS 4712 – Senior Project			
PHYS 3713 – Modern Physics		PHYS 4513 – Introductory Quantum Mechanics			
3 hours Upper-Division PHYS		PHYS 4813 – Electromagnetic Radiation			
3 hours Upper-Division PHYS		4 hours general elective			
3 hours Arts and Humanities		3 hours Upper-Division PHYS			
Semester Credit Hours at OSU: 15		Semester Credit Hours at OSU: 15	•		

Important Note: The foreign language requirement for the B.S., B.M. and B.F.A. may be satisfied by presenting a high school transcript which demonstrates two years of study of a single foreign language (passing grades at second-year level of study). It may also be satisfied by 6 hours college credit in the same language, which must include language courses 1713 and 1813, or equivalent proficiency (e.g., passing an advanced standing examination; TOEFL exam; presenting a high school transcript which demonstrates the high school was primarily conducted in a language other than English; etc.). Computer Science courses may not be used to satisfy this requirement.

## Cheryl Kleeman

Cheryl Kleeman, Director, Transfer & Veterans Services, OSU

Date

#### Tom Wikle

Dr. Tom Wikle, Associate Dean, College of Arts & Sciences, OSU Date

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#### **Eunice Tarver**

Eunice Tarver, Provost, TCC Date

## Emily Tichenor 12.2.2020

Emily Tichenor, Director University Transfer, TCC

#### Glen Krutz

Dr. Glen Kurtz, Dean, College of Arts & Sciences, OSU

Date

## David McIlroy

David N. McIlroy, Head, Physics, OSU

Date

Julie M. Porterfield 12/2/2020

Julie Porterfield, Dean of Science, TCC

Date

## Lori Mayberry

Lori Mayberry, Chair, Physical Sciences, TCC

Date



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# TCC to OSU - Physics BS 2020-21

Final Audit Report 2020-12-02

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