



WICHITA STATE UNIVERSITY AND COWLEY COLLEGE TRANSFER AGREEMENT Associates of Science Degree

July 24, 2019

The purpose of this Transfer Agreement is to establish a pathway for students at Cowley College to complete the first two years of a pre-engineering curriculum with the students at Wichita State University. The agreement is intended to reduce the number of additional years required to complete the degree.

This agreement is for Cowley College students who have:

- Earned an Associates of Science (A.S.) Degree
- Achieved a minimum cumulative GPA of 3.0
- Applied for admission to WSU

Cowley College students meeting the above requirements will:

- Be guaranteed admission to WSU
- Enter with junior status toward a baccalaureate degree
- Be guaranteed

This partnership reflects the following:

- Expanded student program options
- Graduates will possess the technical skills and conceptual background and creative mindsets needed to address the workforce needs of achieving the Vision for Economic Development in the State of Kansas
- All students must complete all minimum institutional and regional degree requirements appropriate to the program curricula at the degree-granting institution
- Both Cowley College and Wichita State University College of Engineering Program faculty and administrators will promote the program to the benefit of the students and the goal of program improvement
- Students can be contacted at any time by:
WSU Financial Aid Office (316) 978-3430 and the College of Engineering (316) 978-3426
- Students transferring to WSU from Cowley College who have not completed all requirements for admission to WSU and will have

In order to ensure a successful transition after completion of the associates' and bachelors' degrees, the following conditions apply to the Transfer Agreement:

Transfer students must complete at least 15 credit hours of upper-division work in order to qualify for graduation from Wichita State University. Courses with higher grade requirements as described in the WSU undergraduate catalog

Reverse Transfer

Students who transfer

degree, are eligible

attainment of

degree requirements

Modification of Agreement

This agreement

Terms of Agreement

This agreement

Termination of Agreement

Either party

This agreement is a contract between Wichita State University and Lowrey College

additions to this agreement shall be in writing and signed by all participating parties between both agencies

Wichita State University

Dr. Michael W. Dunn

President

Wichita State University

Dr. Dennis Cressey

Dean, College of Management

Wichita State University

Dr. Michèle

President

Lowrey College

Dr. Gregory

Department Chairman

Electrical Engineering

Wichita State University

Dr. Scott

Faculty Chair

Lowrey College

**Electrical Engineering Pathway (2+2):
 Cowley College & Wichita State University
 Courses taken at Cowley College for completion of Associates Degree towards B.S. Degree**

Freshman – 1st Semester (Taken at Cowley) 16 Credit Hours			
Wichita State University Equivalent	Hours	Cowley College	Hours
ENGL 101 College English I	3-G	ENG 2211 Composition I	3
MATH 242 Calculus I	5-M	MTH 4435 Calculus I	5
ENGR 101 Introduction to Engineering (TF*)	2-T	PHS 4545 Introduction to Engineering	2
CHEM 211 General Chemistry I	5-M	CHM 4220 Chemistry I	5
HPS 2000 Elective (not transférable to B.S. degree)	0	Health & Physical Education Elective	1
Freshman – 2nd Semester (Taken at Cowley) 17 Credit Hours			
ENGL 102 College English II	3-G	ENG 2212 Composition II	3
General Education (Social & Behavioral Science)	3-G	Approved General Education (Social & Behavioral Science) as found on the WSU Transfer Guide	3
MATH 243 Calculus II	5-M	MTH 4440 Calculus II	5
CS 211 Introduction to Programming	5-C*	CIS 1876 Programming	5
General Education (Fine Arts)	3-G	Approved General Education (Fine Arts) as found on the WSU Transfer Guide	3
Sophomore – 1st Semester (Taken at Cowley) 15 Credit Hours			
COMM 111 Public Speaking	3-G	COM 2711 Public Speaking	3
CS 194 Introduction to Digital Design	4-C	CIS 1894 Introduction to Digital Design	4
IME 255 Engineering Economy	3-C	PHS 4553 Engineering Economy	3
PHYS 313 Physics for Scientists I and PHYS 315 University Physics Lab I	4-M 3-C*	PHS 4560 Engineering Physics I	7
Sophomore – 2nd Semester (Taken at Cowley) 17 Credit Hours			
General Education (Social & Behavioral Science)	3-G	Approved General Education (Social & Behavioral Science) as found on the WSU Transfer Guide	3
AE 223 Statics	3-C	PHS 4570 Statics	3
PHYS 314 Physics for Scientists II PHYS 316 University Physics Lab II	4-M 0	PHS 4561 Engineering Physics II	5
IME 254 Engineering Probability and Statistics I	3-C	MTH 4445 Engineering Probability and Statistics I	3
General Education (Humanities)	3-G	Approved General Education (Humanities) as found on the WSU Transfer Guide	3
Total	53		65

G: General Ed.; M: Math/Science; C: Engineering; T: Technical Education

* this one credit hour transfers in towards the major to make up the credit hour lost during the transfer of CIS1876->CS 211: thus, for students under this umbrella, the PHYS315 class will appear under engineering courses

A total of 56 credit hours taken at Cowley College for completion of Associates Degree in Science
 63 credit hours will transfer to WSU towards B.S. degree in Electrical Engineering

Electrical Engineering Department
Cowley College & Wichita State University

Courses

Junior – 1 st Semester (Taken at WSU) 16 Credit Hours	
Wichita State University Requirement	Hours
EE 282 Circuits I	4
MATH 344 Calculus III	5
ME 398 Thermodynamics I	3
MATH 555 Differential Equations	2
PHIL 389 Engineering Ethics	2
Junior – 2nd Semester (Taken at WSU) 15 Credit Hours	
EE 287 Circuits II	5
EE 492 Electronic Circuits I	4
MATH 511 Linear Algebra	3
EE 483 Electric Machines and Transformers	4
EE 285L Programming w/MATLAB for EE/CE	1
Senior – 1st Semester (Taken at WSU) 14 Credit Hours	
General Education - Writing Proficiency	3
EE 463 Applied Engineering Electromagnetics	3
Technical Elective	3
EE 585 Electrical Design & Safety	2
EE 385 Signal and Systems	3
Senior – 2nd Semester (Taken at WSU) 14 Credit Hours	
EE 684 Introductory Control Systems	3
EE 493 Electronic Circuits II	4
EE 586 Introduction to Communication Systems	4
EE 595 Electrical Design Project	3
Technical Elective	3

A total of 61 credit hours taken at Wichita State for this computer-oriented degree in Electrical Engineering