



ADDENDUM A

**Four Semesters of Electrical Engineering ^{NOTE 1}
at Ajman University, UAE
to the Bachelor of Science in Electrical Engineering
at Temple University College of Engineering
(Effective Fall 2019)**

(Ajman) Recommended Course			Temple University Equivalent	
First Semester			First Semester	
101111	Orientation	0	NT	
102140	Communication Skills in Arabic Language	3	ARABIC U***	Arabic Upper Level Elective
104120	IT Fundamentals	3	CIS L***	Computer Science Elective
217101	Engineering Mathematics I ^{NOTE 2}	3	MATH L***	Mathematics Elective
217121	Engineering Physics I	4	PHYS 1061	Elementary Classical Phys I
217141	Chemistry for Engineers ^{NOTE 3}	3	CHEM L**	Chemistry Elective
217150	Introduction to Engineering	1	ENGR 1101	Intro to Engineering & Engineering Tech
Semester Total:		17		
Second Semester			Second Semester	
102110	Islamic Culture	3	REL 2606	Introduction to Islam
213140	Computer Programming	3	ECE 1111	Engineering Computation I
217102	Engineering Mathematics II ^{NOTE 2}	3	MATH L***	Mathematics Elective
217122	Engineering Physics II ^{NOTE 4}	4	PHYS L***	Physics Elective
	University Elective I	3		Dependent upon course selection ^{NOTE 6}
Semester Total:		16		
Summer Semester				
103120	Environmental Sciences	3	EES L***	Environmental Science Elective
	University Elective II	3		Dependent upon course selection ^{NOTE 6}
Semester Total:		6		
Third Semester			Third Semester	
103133	Statistics	3	MATH 2031	Probability & Statistics
213235	Logic Design	4	ECE 2612 & ECE 2613	Digital Circuit Design & Digital Circuit Design Laboratory
213250	Engineering Analysis	3	ENGR 1102	Intro to Engineering Problem Solving
215211	Circuit Analysis ^{NOTE 5}	4	ECE 2312 & ECE 2313	Electrical Engineering Science I & Electrical Engineering Science I Lab
217203	Engineering Mathematics III	3	MATH 3041	Differential Equations
Semester Total:		17		
Fourth Semester			Fourth Semester	
211251	Electronic Devices & Circuits I	4	ECE 3312 & ECE 3313	Microelectronics I & Microelectronics I Laboratory
212221	Signals and Systems	3	ECE 3512	Signals: Continuous and Discrete
215212	Circuit Analysis II ^{NOTE 5}	4	ECE 2322 & ECE 2323	Electrical Engineering Science II & Electrical Engineering Science II Laboratory
217204	Engineering Mathematics IV ^{NOTE 2}	3	MATH U***	Mathematics Upper Level Elective
114130	Innovation and Entrepreneurship	3	ENGR 3033	Entrepreneurial Engineering
Semester Total:		17		
Total Credits Taken		73		
Notes:				
1) Students following this agreement will be required to complete Temple's 45+ General Education curriculum.				



- 2) Temple's College of Engineering will accept Engineering Math I (217101), Engineering Math II (217102), and Engineering Math IV (217204) to fulfill the required mathematics sequence MATH 1041, MATH 1042, and MATH 2043 for the B.S. in Electrical Engineering.
- 3) Temple's College of Engineering will accept Chemistry for Engineers (217141) to fulfill the CHEM 1035/CHEM 1033 requirement for the B.S. in Electrical Engineering.
- 4) Temple's College of Engineering will accept Engineering Physics II (217122) to fulfill the PHYS 1062 requirement for the B.S. in Electrical Engineering.
- 5) The combination of Circuit Analysis I (215211) and Circuit Analysis II (215212) will satisfy the requirements for Temple's ECE 2332: Principles of Electric Circuits and ECE 2333: Principles of Electric Circuits Lab via DARS exception, as well as one Engineering Technical Elective.
- 6) To see how your courses might transfer, consult Temple's Transfer Equivalency Tool: <http://admissions.temple.edu/transfer-equivalency-tool/>



If the suggested classes are successfully completed at Ajman University, the remaining four semesters for the **Bachelor of Science in Electrical Engineering** from Temple University are as follows:

Remaining Requirements at Temple University		
Fifth Semester		Credits
ENGR 2011	Engineering Analysis Applications	3
ECE 3612	Processor Systems	3
ECE 3613	Processor Systems Laboratory	1
ENGR 3334	Mechanical Systems	3
ENG 0802/0812	Analytical Reading & Writing ^{Note e}	4
Semester Total:		14
Sixth Semester		
ENGR 4169	Engineering Seminar	1
ECE 3412	Classical Control System	3
ECE 3413	Classical Control Lab	1
ECE 3712	Intro Electromag Fields	3
ECE 3522	Stochastic Pro/Sgnls/Sys	3
ENGR 2196	Technical Communication [WI]	3
Semester Total:		14
Seventh Semester		
ENGR 4176	Senior Design Project I: EE	2
ECE 4512	Digital Communication Systems	3
ECE 4513	Digital Comm Systems Lab	1
ECE Elective	ECE Technical Elective #2	3
45+ GenEd	IH 0851 or IH 0852	3
45+ GenEd	GB or GA or GU	3
Semester Total:		15
Eighth Semester		
ENGR 4296	Senior Design Project II [WI]	3
ECE Elective	ECE Technical Elective #3	3
45+ GenEd	GD	3
45+ GenEd	GB or GA or GU	3
Semester Total:		12
<i>Credits transferred as part of the AU Course Completion</i>		73
<i>Remaining B.S. Electrical Engineering Requirements to complete at Temple</i>		55
Total Credits Completed to Satisfy the Requirements for the B.S. Electrical Engineering (min. 128):		128

Notes: Students following this plan are under the 45+ GenEd-to-GenEd program.

- a) To find the online application:
 - a. Go to temple.edu/undergrad
 - b. Click on "Apply" on the gray bar across the top
 - c. Click on "Transfer Students" on the left-hand side (which will take you to an online application)
- b) Inquiries about the undergraduate program and application are handled through the Office of International Admissions (Tel: 215-204-4900/Email: admissions@temple.edu.)
- c) Inquiries about the Bachelor of Science in Electrical Engineering program or specific course requirements can be directed to Shawn Fagan (Director of Undergraduate Studies, College of Engineering; Tel: 215-204-8825/Email: sfagan@temple.edu).
- d) Temple University requires that all undergraduate degree candidates complete 45 hours of the last 60 hours of the degree or program as matriculated students at Temple University. If a matriculated student previously took Temple courses on a non-matriculated basis, those courses are counted towards this requirement.
- e) This agreement assumes that the student would take ENGL 0802 as their first course at Temple; however, this is subject to the student's command of English. Some students may have to start with a lower level English course, such as ENGL 0701/0711 before taking ENGL 0802/0812. In such cases, the proposed study plan needs to be revised, and the student may need additional time and credit hours for graduation.