TEMPLE UNIVERSITY

Temple University College of Engineering
Associate in Science in Engineering Science at Camden County College
to the Bachelor of Science in Mechanical Engineering at Temple University
(Effective Fall 2017)

CCC Recommended Course			Temple University Equivalent	
First Semester		***Credits***	***First Semester***	
ENG 101	English Composition I	3	ENGL 0802	Analytic Reading & Writing
CAD 101	CAD Engineering Graphics	4	ENGR 1117	Engineering Graphics
CHM 111	Chemistry I - Science	4	CHEM 1031 AND CHEM 1033	General Chemistry I [Note 1] AND General Chemistry Laboratory I
MTH 140	Calculus I	4	MATH 1041	Calculus I
PHY 201	Physics III	4	PHYS 1061	Elementary Classical Physics I
	Semester Total:	19		
Second Semester			***Second Semester***	
ENG 102	English Composition II	3	ENGL T***	English Lower Level Elective
CHM 112	Chemistry II - Science	4	CHEM 1032 AND CHEM 1034	General Chemistry II AND General Chemistry Laboratory II
MTH 150	Calculus II	4	MATH 1042	Calculus II
PHY 202	Physics IV	4	PHYS 1062	Elementary Classical Physics II
EGR 101	Introduction to Engineering	2	ENGR 1101	Introduction to Engineering and Engineering Technology
	Semester Total:	17		
Third Semester			***Third Semester***	
MTH 145	Linear Algebra	4	MATH 2101	Linear Algebra [Note 2]
MTH 210	Calculus III	4	MATH 2043	Calculus III
CSC 121	Structured Programming (C++)	4	CIS 1057	Computer Programming in C [Note 3]
EGR 201	Statics	3	ENGR 2331	Engineering Statics
GenEd	Social Science GenEd Elective	3		Dependent upon course selection [Note 5]
	Semester Total:	18		
Fourth Semester			***Fourth Semester***	
MTH 220	Differential Equations	4	MATH 3041	Differential Equations
EGR 211	Engineering Circuit Analysis	3	ECE 2312 AND ECE 2313	Electrical Engineering Science I [Note 4] AND Electrical Engineering Science I Lab
EGR 202	Dynamics	3	ENGR 2332	Engineering Dynamics
GenEd	Humanities GenEd Elective	3		Dependent upon course selection [Note 5]
GenEd	Diversity - Humanities Gen Ed Elective	3		Dependent upon course selection [Note 5]
	Semester Total:	16		
	Total Credits Taken	**70**		

1) CCC's CHM 111: Chemistry I will transfer to Temple as CHEM 1031 General Chemistry I and will satisfy Temple's College of Engineering requirement of CHEM 1035 Chemistry for Engineers through DARS exception.
2) CCC's MTH 145: Linear Algebra will transfer to Temple as MATH 2101: Linear Algebra and will satisfy Temple's College of Engineering requirement of MEE 2011: Linear Systems through DARS exception.
3) CIS 1057: Computer Programming in C will satisfy ENGR 1102: Intro to Engineering Problem Solving via DARS exception.
4) CCC's EGR 211: Engineering Circuit Analysis will transfer to Temple as ECE 2312: Electrical Engineering Science I and ECE 2332: Electrical Engineering Science I Laboratory. ECE 2312 & ECE 2313 will satisfy the College of Engineering's requirement of ECE 2112 & ECE 2113: Electrical Devices and Systems I & Laboratory through DARS exception.
5) To see how courses might transfer, consult Temple's Transfer Equivalency Tool http://http://admissions.temple.edu/transfer-equivalency-tool.

If the suggested classes are successfully completed and an Associate of Science in Engineering Science at Camden County College, the remaining four semesters for the ***Bachelor of Science Mechanical Engineering*** *are as follows:*

Remaining Requirements at Temple University		
Summer Semester		***Credits***
ENGR 2333	Mechanics of Solids [Note 1]	3
	Semester Total:	**3**
Fall Semester		
ENGR 3571	Classical and Statistical Thermodynamics	3
ENGR 2196	Technical Communication [WI]	3
MEE 3301	Machine Theory & Design I	3
ENGR 3553	Mechanics of Fluids	3
MEE 2305	Measurements and Dynamics Laboratory	1
MEE 3506	Fluids and Energy Laboratory	1
	Semester Total:	**14**
Spring Semester		
ENGR 3201	Materials Science for Engineers	3
MEE 3305	Materials Laboratory	1
ENGR 3117	Computer-Aided Design	3
MEE 3421	Dynamic Systems	3
Free Elective	Dependent upon course selection	3
ENGR 4169	Engineering Seminar	1
	Semester Total:	**14**
Fall Semester		
ENGR 4177	Senior Design Project I for Mechanical Engineers	2
MEE 4572	Heat and Mass Transfer	3
ENGR 3001	Engineering Economics	3
MEE XXXX	Technical Elective #2 and/or Lab [Note 2]	4
Free Elective	Dependent upon course selection	3
	Semester Total:	**15**
Spring Semester		
ENGR 4296	Senior Design Project II [WI]	3
MEE XXXX	Technical Elective #4	3
MEE XXXX	Technical Elective #3 and/or lab [Note 2]	3
Free Elective	Dependent upon course selection	3
	Semester Total:	**12**
	Credits transferred as part of the Camden County College Agreement	**70**
	Summer Coursework at Temple Prior to Enrollment:	**3**
	Remaining B.S. Mechanical Engineering Requirements to complete at Temple	**55**
	Total # of Credits Completed to Fulfill the Requirements of the BS in Mechanical Engineering:	**128**

Notes:

1) Students must complete Temple's College of Engineering ENGR 2333: Mechanics of Solids prior to beginning their first full-time semester at Temple. Students transferring without this course will require additional semesters to complete their degree at Temple.
2) Temple's MEE 4422: Mechanical Vibrations & MEE 4405: Vibrations & Controls Laboratory (offered in Fall) OR MEE 4571: Advanced Thermodynamics and Combustion & MEE 4506: Energy Conversion Laboratory (offered in Spring) are required in the Mechanical Engineering Program. When the choice is made, one credit of free elective replaces the lab in the other term.

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DARS EXCEPTIONS TO BE ENTERED BY TEMPLE ACADEMIC ADVISOR

Undergraduate students and their advisors use the Degree Audit Reporting System to plan and track a student's academic career at Temple. DARS works in concert with our Banner Student information system to show how a student's course work to date, including transferred courses, will fulfill the academic requirements necessary to complete a degree in the major field of study

For the DARS exceptions to be processed, students should bring a copy of the articulation agreement and a copy of their final CCC transcript to their first advising appointment with their Temple Academic Advisor. The final transcript must show the degree awarded and a conferral date. Official copy of the final transcript must be sent to the Temple Admissions Office.

1) Temple's CHEM 1031 satisfies CHEM 1035
2) CCC's MTH 145 will satisfy MEE 2011 Linear Systems
3) Temple's CIS 1057 satisfied ENGR 1102
4) Temple's ECE 2312 and ECE 2313 satisfy will satisfy ECE 2112 & 2113 Electrical Devices and Systems I & Electrical Devices and Systems I Laboratory

ABBREVIATIONS KEY

CCC – Camden County College
ECE – Electrical Engineering
ENGR – Engineering
MEE – Mechanical Engineering
T*** General Transfer Elective
L*** Lower Level Elective (1000-1999 level course)

To find the online application:
Go to temple.edu/undergrad
Click on "Apply" on the gray bar across the top
Click on "Transfer Students" on the left hand side (which will take you to an online application)

Inquiries about the undergraduate program and application are handled through the Office of Admissions (Tel: 215-204-7200/Email: admissions@temple.edu.)

Inquiries about the Bachelor's of Science in Mechanical Engineering program or specific course requirements can be directed to Shawn Fagan (Director, Undergraduate Studies, College of Engineering; Tel: 215-204-8825/Email: sfagan@temple.edu).