Temple University College of Engineering
Associate in Science in Engineering[NOTE 1] at the Delaware County Community College to the Bachelor of Science in Mechanical Engineering at Temple University
(Effective Fall 2018)

(DCCC) Recommended Course			Temple University Equivalent	
First Semester		***Credits***	***First Semester***	
ENG 100	English Composition I	3	ENG 0802	Analytic Read and Writing
MAT 160	Calculus I	4	MATH 1041	Calculus I
CHE 110	General Chemistry I	4	CHEM 1031 AND CHEM 1033	General Chemistry I AND General Chemistry Laboratory I[NOTE 2]
EGR 150	Engineering Topics	1	ENGR 1101	Intro/Engineering & Engineering Technology
DPR 101	Introduction to Computer Science	3	CIS L***	Lower Level Elective[NOTE 3]
	Semester Total:	**15**		
Second Semester			***Second Semester***	
ENG 112	English Composition II	3	ENGL L***	English Lower Level Elective
MAT 161	Calculus II	4	MATH L***	Lower Level Elective[NOTE 4]
CHE 111	General Chemistry II	4	CHEM 1032 AND CHEM 1034	General Chemistry II AND General Chemistry Laboratory II[NOTE 5]
PHY 131	University Physics I	4	PHYS 1061	Elementary Classical Physics I
	Semester Total:	**15**		
Third Semester			***Third Semester***	
MAT 260	Calculus III	4	MATH 2043	Calculus III
PHY 132	University Physics I	4	PHYS 1062	Elementary Classical Physics II
EGR 200	Engineering Statics	3	ENGR 2331	Engineering Statics
	Diversity and Social Justice - Social Science Course	3	Elective	Dependent upon course selection[NOTE 6]
	Global Understanding - Social Science Elective	3	Elective	Dependent upon course selection[NOTE 6]
	Semester Total:	**17**		
Fourth Semester			***Fourth Semester***	
MAT 261	Differential Equations	3	MATH 3041	Differential Equations
COMM 100 OR COMM 111	Intro to Interpersonal Comm OR Public Speaking	3	Elective OR CSI 1111	Elective OR Public Speaking
EGR 201	Engineering Dynamics	3	ENGR 2332	Engineering Dynamics
EGR 100	Engineering Graphics	3	ENGR 1117	Engineering Graphics
EGR 220	Engineering Thermodynamics	3	ENGR 3571	Class & Stat Thermodynamics
	Humanities Elective	3	Elective	Dependent upon course selection[NOTE 6]
	Semester Total:	**18**		
	Total Credits Taken:	**65**		

Notes:

1) DCCC graduates who transfer with the A.S. in Engineering satisfy Temple's GenEd requirements by GenEd-to-GenEd transfer. It is recommended that students work with their DCCC advisor to select transfer courses for their Humanities and Social Science electives.
2) Credit for CHEM 1031 & CHEM 1033 will be used to satisfy CHEM 1035: Chemistry for Engineers, a major requirement at Temple, via DARS exception.
3) Credit for CIS L*** will be used to satisfy ENGR 1102: Introduction to Engineering Problem Solving, a major requirement at Temple, via DARS exception.
4) Credit for MATH L*** will be used to satisfy MATH 1042: Calculus II, a major requirement at Temple, via DARS exception for students who successfully completed MATH 260 and MATH 261 at DCCC.
5) Credit for CHEM 1032 & CHEM 1034 will be used to satisfy Basic Science requirement.
6) To see how courses might transfer, consult Temple's Transfer Equivalency Tool: http://http://admissions.temple.edu/transfer-equivalency-tool. Courses not included in the transfer tool may transfer.

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

Remaining Requirements at Temple University		
Fifth Semester		***Credits***
ENGR 2333	Mechanics of Solids	3
MEE 2011	Linear Systems	3
ENGR 3553	Mechanics of Fluids	3
ENGR 2196	Technical Communication	3
ECE 2112	Electrical Devices Systems I	3
ECE 2113	Electrical Devices Systems I Lab	1
MEE 2305	Measurements Dynamics Laboratory	1
	Semester Total:	**17**
Sixth Semester		
MEE 3421	Dynamic Systems	3
ENGR 3117	Computer-Aided Design (CAD)	3
MEE 3301	Machine Theory & Design	3
MEE Elective	Technical Elective #1 (dependent upon course selection)	3
ENGR 4169	Engineering Seminar	1
MEE 3506	Fluids and Energy Laboratory	1
	Semester Total:	**17**
Seventh Semester		
ENGR 4177	Senior Design Project I for Mechanical Engineering	2
MEE 4572	Heat and Mass Transfer	3
ENGR 3201	Material Science for Engineers	3
MEE 3305	Materials Laboratory	1
MEE Elective	Technical Elective #2 and/or lab (dependent upon course selection)	4
Free Elective	Dependent upon course selection	3
	Semester Total:	**15**
Eighth Semester		
ENGR 4296	Senior Design Project II	3
MEE Elective	Technical Elective #3 and/or lab (dependent upon course selection)	3
ENGR 3001	Engineering Economics	3
Free Elective	Free Elective	3
Free Elective	Free Elective	2
	Semester Total:	**14**
	Credits transferred as part of the A.S. in Engineering:	**65**
	Remaining B.S. in Mechanical Engineering Requirements to complete at Temple	**63**
Total Credits Completed to Satisfy the Requirements for the B.S. in Mechanical Engineering:		**128**

Notes:

1. To find the online application:
   - Go to www.temple.edu/undergrad
   - Click on "Applying" on the gray bar across the top
   - Click on "Transfer Students" on the left hand side - This will take you directly to an online application
2. All inquiries about the undergraduate program and application are handled through the Office of Undergraduate Admissions. If you have specific questions about your application or the admission process, please call 215-204-7200.
3. All inquiries specific to the Engineering program and requirements should be directed to the College of Engineering, Shawn Fagan, 215-204-8825, shawn.fagan@temple.edu.

4. 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.