Temple University College of Engineering
Associate in Applied Science in Electromechanical Technology - Automated Systems at Northampton Community College to
the Bachelor of Science in Engineering Technology of Temple's College of Engineering,
through the extension agreement with Lehigh Carbon Community College
(Effective Fall 2010)

Northampton Community College (NCC) Recommended Course			Temple University Equivalent	
First Semester		*Credits*	*First Semester*	
CISC 101	Intro to Computers	3	CIS L000	Elective See Note 1,2
EMEC 101	Electrical Fundamentals	3	EET 2112	Elements of EET I (DC Circuits)
ENGG 117	Technical Dwgs & Specs	3	ET L000	Technical Elective
ENGL 101	English I	3	ENGL 0802	Analytical Reading & Writing
MATH 140	College Algebra	3	MATH 1021	College Algebra
Second Semester			*Second Semester*	
CMTH 102	Speech Communication	3	AOD 1166	Interpersonal Communication See Note 1,4
EMEC 105	Intro to Fluid Power	3	ET 2521	Applied Fluid Mechanics
EMEC 110	Mechanical Components	4	ET 4342	Machine Elements
EMEC 135	Electrical Motors & Controls	4	EET 2122	Elements of EET II (AC Circuits)
ENGL 151	English II	3	ENGL 2796	Writing the Research Essay See Note 1,5
Third Semester			*Third Semester*	
EMEC 240	Industrial Control Systems I	4	ET L001	Technical Elective
EMEC 253	Electromechanical Sys I	4	ET L002	Technical Elective
	General Education Elective	3		Dependent on Selection See Note 3
	General Education Elective	3		Dependent on Selection See Note 3
PHYS 101	Physics I	4	PHYS 1021	Intro to General Physics See Note 1
Fourth Semester			*Fourth Semester*	
EMEC 245	Industrial Control Systems II	3	ET 3651	Manufacturing Control Systems
EMEC 254	Electromechanical Sys II	4	MET 4671	Computer Integrated Manufacturing
EMEC 260G	Electromechanical Tech Practicum	2	No Credit	
	Technical Elective See Note 6	4	ET L003	Technical Elective
	Elective	3		Dependent on Selection See Note 3
	Total credits taken	66		Total credits transferred 64

Notes:

1. Course satisfies a major requirement at Temple.
2. Temple's College of Engineering will accept by DARS exception NCC CISC 101 to fulfill the required ENGR 1101.
3. It is recommended that students work with their NCC transfer counselor to select a course for the 45+ Gen Ed for their NCC electives. Students choosing other electives may need additional courses at Temple to complete the 45+ Gen Ed requirements. Transfer credits with Core designations will satisfy General Education requirements. Students cannot use the same course to fulfill a General Education and a major or minor requirement. Transfer courses with Core designations will be applied to major requirements first and then to GenEd.
4. Temple's College of Engineering will accept by DARS exception NCC CMTH 102 to fulfill the required STOC 1111.
5. Temple's College of Engineering will accept by DARS exception NCC ENGL 151 to fulfill the required English 2696.
6. It is recommended students select ENGG 100 Engineering Graphics (3 Credits) which is a prerequisite for ENGG 115 CAD I.
7. Temple's College of Engineering will waive by DARS exception the ENVT 1015 requirement for NCC students transferring with an Associate in Applied Science in Electromechanical Technology - Automated Systems.

Additional requirements at Northampton CC for Temple's BSET		
		Credits
MATH 145 or MATH 160	Trigonometry or Pre-Calculus	3 or 4
MATH 180	Calculus I	4
MATH 181	Calculus II	4
MATH 150	Introductory Statistics	3
CHEM 120	General Chemistry I	4
PHYS 151	Physics II	4
ENGG 115	Computer Aided Design I	3
ENGG 201	Statics	3
CISC 115	Computer Science I	4
45+ Gen Ed	Gen Ed Arts (GA) or Gen Ed US Society (GU) or Gen Ed Human Behavior (GB) See Note A, B	3
45+ Gen Ed	Gen Ed Arts (GA) or Gen Ed US Society (GU) or Gen Ed Human Behavior (GB) See Note A,,B	3
45+ Gen Ed	Gen Ed World Society (GG) See Note A	3
45+ Gen Ed	Gen Ed Race and Diversity(GD) See Note A	3
45+ Gen Ed	IH 0851 Mosaic I (GY) or IH 0852 Mosaic II (GZ) See Note A,C	(3-6)
	Additional NCC Requirements	**38-51**

Notes

A. Careful selection of Electives in the NCC AAS degree program may eliminate some of these requirements. Transfer credits with Core designations will satisfy General Education requirements. Students cannot use the same course to fulfill a General Education and a major or minor requirement. Transfer courses with Core designations will be applied to major requirements first and then to GenEd.

B. 45+ Gen Ed students need one course each in two of these areas: US Society (GU), Arts (GA), or Human Behavior (GB).

C. The 45+ Mosaic requirement can be satisfied by transferring an approved combination of two courses from the Mosaic Transfer Guide. One, but not more than one, of the courses selected for a Mosaic combination may also be used to fulfill a second GenEd area. For example a student can combine NCC's Philosophy 201 and History 103 to meet the 45+ Mosaic requirement and also use the History 103 to fulfill their GenEd World Society requirement. Students should check with their NCC transfer advisor for a current list of courses.

D. Once students matriculate to Temple the additional requirements and remaining Temple requirements (page 6) can be taken concurrently if needed. Students seeking to maintain full time status after matriculating to Temple should work closely with Dr. David Reiser, 610-799-1096, david.b.reiser@temple.edu to sequence coursework beyond the AAS degree.

E. All Temple students are required to take two Writing Intensive courses at Temple University in addition to completing the GenEd requirements. Writing Intensive courses in transfer cannot be used to fulfill this school/college requirement.

Remaining requirements at Temple University, LCCC Campus		
		Credits
ENGR 3096 (WI)	Economic Analysis	3
ET 3396 (WI)	Materials Technology	3
ET 2322	Strength of Materials	3
ET 3323	Dynamics	3
ET 3652	CAD/CAM/CNC	3
EET 3278	Digital Circuits and Microprocessors	4
ET 4161	Capstone Project	3
ET 4129	Professional and Industrial Seminar	3
ET 4642	Quality Control	3
ET Elective	Any technical course taught by Temple	3
	Remaining Temple Requirements	**31**

Note:
30 credits of Temple course work must be completed as a matriculated Temple student to meet Temple's residency requirement. All Temple students are required to take two Writing Intensive (WI) courses at Temple University. Writing Intensive courses in transfer cannot be used to fulfill this school/college requirement. Students seeking to maintain full time status after matriculating to Temple should work closely with Dr. David Reiser, 610-799-1096, david.b.reiser@temple.edu to sequence coursework beyond the AAS degree.

General Degree Notes:

I. The degree minimum requirement is 124 s.h. Assuming no remedial or repeat coursework is required the student completes the remaining coursework listed above at Temple.

II. The student completing the NCC and Temple courses and requirements specified on pages 4, 5 and 6 of this agreement will meet all requirements for graduation with the Bachelors of Science in Engineering Technology BSET degree from Temple:
   a. 24 s.h. of Math/Sciences
   b. 67 s.h. of Engineering Technology
   c. 19 s.h. of General Education for 45+ transfer status
   d. 124 s.h. minimum of course work

III. All required Mathematics and Statistics courses for the BSET must be completed at NCC prior to attending Temple University. Students who wish to take additional math courses at Temple must take the math placement test and then follow the recommenced sequence.

IV. To find the online application:
   a. Go to www.temple.edu/undergrad
   b. Click on "Applying" on the gray bar across the top
   c. Click on "Transfer Students" on the left hand side - This will take you to an online application

V. 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. Inquiries about the **Bachelors of Science in Engineering Technology** program or specific course requirements can be directed to College of Engineering, Dr. David Reiser, 610-799-1096, david.reiser@temple.edu or Dr. Steven Ridenour, 215-204-8825, steven.ridenour@temple.edu.