Articulation Agreement between the Dutchess Community College Electrical Technology (ELT) AAS Degree with Advanced Science & Math (ASM) courses and the SUNY New Paltz Electrical Engineering BS or Computer Engineering BS Degree.

The purposes of this agreement are as follows:

1. To attract qualified transfer students to Dutchess Community College and SUNY New Paltz.

2. To provide the effective transition of transfer students holding the Associate in Applied Science (A.A.S.) in Electrical Technology and completing the Advanced Science and Mathematics courses (A.S.M.) from Dutchess Community College to SUNY New Paltz.

3. To foster continuous communication between the respective departments, facilitate curriculum changes when appropriate, and to provide accurate and timely advisement for interested students.

Terms of the agreement:

SUY New Paltz agrees to accept all students who have earned the Associate in Applied Science (A.A.S.) in Electrical Technology and completed the Advanced Science and Mathematics courses (A.S.M.) from Dutchess Community College with full junior standing when transferring to a parallel program at New Paltz in accordance with the following:

SUNY New Paltz agrees to:

1. Accept up to 70 academic credits toward the baccalaureate degree upon award of the degree from Dutchess Community College.

2. A.A.S. degree holders will receive an individual transfer credit evaluation with an assessment of credits completed and credits still needed to meet both the SUNY mandated and native general education requirements.

3. Grant credit toward courses in the Division of Engineering Programs at SUNY New Paltz. In accordance with general college policy, one-half of the major must be completed at New Paltz.

4. Provide the opportunity to earn the baccalaureate degree in a parallel program in not more than four additional semesters of successful, planned full-time study, or part-time equivalent.

5. Guarantee the Dutchess Community College students accepted in transfer under the terms of this agreement will also be subject to any special requirements applicable to students who originally enrolled as freshman to SUNY New Paltz.

Review of the contents and/or terms of this agreement shall take place as requested by designated departmental representatives.

ENGINEERING SCIENCE AND TECHNOLOGIES

ELECTRICAL TECHNOLOGY AAS (ELT) with ADVANCED SCIENCE AND MATHEMATICS (ASM)

The ASM courses, designated with SUNY New Paltz, prepare students with an AAS degree in Electrical Technology from Dutchess Community College to enter the Electrical Engineering (EE) or Computer Engineering (CE) programs at SUNY New Paltz with junior status. Student who have chieve a 2.5 GPA in the courses detailed below will be accepted directly into the fifth semester of New Paltz's eight-semester programs.

The objective of this joint venture is to provide the citizens/students of the Mid-Hudson Valley region a quality, cost effective, geographically convenient career path for those technology graduates who choose to proceed to an engineering degree.

ASM Course Prerequisites:

All students beginning the ASM courses must have completed the AAS degree in the ELT program, including a grade of C or better in course MAT221: Calculus I (5 year limit).

Students who complete the ELT program with a GPA of 3.0 or better need a grade of C or better in ENR220: Digital Circuit Design.

Students who complete the ELT program with a GPA of less than 3.0 need a grade of B or better in ENR220: Digital Circuit Design.

Students considering this path while in the AAS ELT program should select the following courses to assist completion of the ASM courses, provided they have the proper prerequisites:

- Free Elective: Choose MAT221 Calculus I. This will prepare the student for MAT 222: Calculus II in the semester immediately following the completion of the ELT degree.
- Science Elective: Choose CHE121: General Chemistry I, rather than CHE111: Introduction to Chemistry (or take both, according to prerequisites).
- Technical Elective: Choose ENR220: Digital Circuit Design.
- Physics: Take PHY151: Engineering Physics I rather that PHY121: General Physics I
- Programming: Take ENR102: Computer Programming for Engineers rather than ELT107: Intro to Programming for Automation

ASM Courses

Semester	Course No.	Descriptive Title	Credit Hours
SUMMER:	MAT 222	Calculus II	4
FALL:	MAT 223	Calculus III	4
	ENR 201	Intro to Electric Circuits & Networks	4
	CHE 121	General Chemistry I	4
	General Education Requirement (a.)		3
SPRING:	MAT 224	Differential Equations	4
	ENR 102	Computer Programming for Engineers	3
	PHY 152	Engineering Physics II (b.)	4
	General Education Requirement (a.)		3
		TOTAL CREDIT HOURS:	**33**

a. Courses to be used for this requirement include all courses from the DCC SUNY General Education Appendices in the following categories: American History (Appendix D), Western Civilization (Appendix E), Other World Civilization (Appendix F), The Arts (Appendix H) and Humanities (Appendix G---one course must be selected from Appendix G in addition to ENG 102). With the exception of an additional course in Humanities (Appendix G), students should not select a course from a category previously met.

b. The prerequisites for PHY 12 must be met as indicated in the college catalog course description. Students completing the Advanced Science and Mathematics courses can alternatively meet the following prerequisites: MAT 223, PHY 121, and CHE 121.

c. The co-requisites for ENR 201 are MAT 223 and {JU 152, but students matriculated in the Advanced Science and Mathematics courses can alternatively meet the following: co-requisite MAT 223 and completion of ELT 106 with a grade of C or better.

Students with a completed AAS Degree in Electrical Technology (ELT) who are completing the Advanced Science and Mathematics (ASM) courses will receive credit for the following courses in the Division of Engineering Programs at SUNY New Paltz.

DUTCHESS Course ID	**NEW PALTZ Course ID**	**Course Title**	**Credits**
MAT 221	MAT 251	Calculus I	4
MAT 222	MAT 252	Calculus II	4
MAT 223	MAT 353	Calculus III	4
MAT 224	MAT 359	Ordinary Differential Equations	3
CHE 121	CHE 201/211	General Chemistry I / General Chemistry I Lab	4
PHY 151	PHY 201/211	General Physics I / Phys I Lab	4
PHY 152	PHY 202/212	General Physics II / Phys II Lab	4
ENR 102	EGC 251	C/C++ Programming	3
ENR 100+ENR 101	EGG 101	Introduction to Engineering	3
ELT 115 and ENR 200	EGC 220 and EGC 221	Digital Logic Fundamentals and Digital Logic Lab	3 1
ENR 201	EGE 200 and EGE 201	Circuit Analysis and Circuits Lab	3 1
ENG 101 (General Education)	ENG 160	Composition I	3
ENG 102 (General Education)	ENG 180	Composition II	3
General Education (a.)	GE: American History (United States Studies/USST)		3
General Education (a.)	GE: Social Sciences		3
General Education (a.)	GE: The Arts / Humanities / Western Civilization / Other World Civilizations		6
		Total credits:	**59**

**Note that SUNY New Paltz course ID numbers and course titles are subject to change.