AAS - Electromechanical Engineering Technology, BSET

The following eequivalency table have been approved as a transger guide from an AAS degree to the Electromechanical Engineering Technology Program.
The following equivalency table has been approved as a transger guide for AAS transfers to Electromechanical Engineering Technology. Acceptable AAS degrees from any NCCC are: • Automation Engineering Technology • Computer Engineering Technology • Electrical Engineering Technology • Electrical Systems Engineerng Technology • Electronics Engineering Technology • Industrial Systems Technology • Mechatronics Engineering Technology.

https://academics.charlotte.edu/undergraduate-programs

Additional Requirements for Admission:	Transfer Admission Requirements: for direct admission into the William States Lee College of Engineering • Completed AAS degree from approved field of study • 64 transferable credits complete • Cumulative GPA of 2.5 or higher required • Courses completed at NC Community Colleges must be complete with a grade of C or higher prior to transferring

Credits	NC Community College Course	UNC Charlotte Equivalent Course	Credits
	EXEMPT	XXXX 1501 - Social Science (Global Theme)	3
	EXEMPT	XXXX 1502 - Arts / Humanities (Global Theme)	3
	EXEMPT	XXXX 1511/1512 (Local Theme)	3
	EXEMPT	XXXX 1575 - American Democracy	3
	EXEMPT	Natural Science	3
	EXEMPT	Math and Logical Reasoning	0
3	ENG 111, 113, 114, 151 (EXEMPT if 64 credits transfer)	WRDS 1103 - Writing & Inquiry	3
3	ENG 112	CTCM 2530 - Critical Thinking & Comm	3
3	MAT 172, 175	MATH 1103 - Precalculus for Sci. & Engr.	3
3	MAT 271	MATH 1241 - Calculus I	3
3	MAT 272	MATH 1242 or ETGR 2272 - Calculus II	3
4	PHY 151, 251	PHYS 1101/L or 2101/L - Physics I w/ Lab	3/1
	EXEMPT	ETEM 2181 - Circuits and Machines in Action	2
	EXEMPT	ETEM 2281 - Doing and Making	3
	EXEMPT	ENGR 1300 - Exploring Engr & Technology	2
	EXEMPT	ENGR 1301 - Foundations of Math & Science	3
	EXEMPT	ENGR 1302 - Logic and Comp Prob Solving	3
	EXEMPT	ENGR 1303 - Engr Vis & Graph Comm	3
3	ELC112, 131, EGR 215	ETEM 2101 - Circuit Fundamentals	3
3	MEC 130, 210, EGR 220, 250, 251	ETEM 2161 - Foundations of Mechanics	3
3	CSC 133, 134, 151, 153, 234	ETEM 2171 - Algorithms and Programming	3
3	ELN 133, EGR 212	ETEM 2271 - Digital Fundamentals	*3*
3	DFT 170	ETME 2111 - CAD Fundamentals	3

Color Key	Category
Light Green	Success Marker Course (Critical Course)
Light Blue	UGETC: General Education Course

		NC Community College Course	UNC Charlotte Equivalent Course	Notes
Semester 5 13 Credit Hrs FALL	3		ETEM 3101 - Principles of Control	*(no NCCC course equivalent)*
	3		ETEM 3131 - Electromechanical Devices	*(no NCCC course equivalent)*
	1		ETEM 3171 - Digital Devices	*(no NCCC course equivalent)*
	3		ETEM 3181 - Exploring Devices	*(no NCCC course equivalent)*
	3		ETEM 4141 - Digital Manufacturing Methods	*(no NCCC course equivalent)*

		NC Community College Course	UNC Charlotte Equivalent Course	Notes
Semester 6 15 Credit Hrs SPRING	3	-	ETEM 3191 - From Concept to Product	*(no NCCC course equivalent)*
	3	-	ETEM 3231 - Power, Machines, and Energy	*(no NCCC course equivalent)*
	3	-	ETEM 3261 - Applied Control Systems	*(no NCCC course equivalent)*
	3	-	ETEM 4161 - Elements of Automation	*(no NCCC course equivalent)*
	3	-	ETEM 2291 - Practical System Design	*(no NCCC course equivalent)*
		Gen Education Course	XXXX 1511/1512 (Local Theme)	EXEMPT with AAS

		NC Community College Course	UNC Charlotte Equivalent Course	Notes
Semester 7 15 Credit Hrs FALL	3	-	ETEM 3281 - More Doing and Making	*(no NCCC course equivalent)*
	2	-	ETEM 4100 - Electromechanical Capstone Design I	*(no NCCC course equivalent)*
	3	-	ETEM 4131 - Intelligent Industrial Systems	*(no NCCC course equivalent)*
	1	-	ETGR 3295 - Multidisciplinary Professional Development	*(no NCCC course equivalent)*
	3	-	Restricted Elective	*(no NCCC course equivalent)*
	3	-	Restricted Elective	*(no NCCC course equivalent)*

		NC Community College Course	UNC Charlotte Equivalent Course	
Semester 8 12 Credit Hrs SPRING	2	-	ETEM 4200 - Elechtromechanical Capstone Design II	*(no NCCC course equivalent)*
	3	-	ETEM 4261 - Robotics and Cyber-Physical Systems	*(no NCCC course equivalent)*
	1	-	ETEM 4600 - Technology Seminar	*(no NCCC course equivalent)*
	3	-	Restricted Elective	*(no NCCC course equivalent)*
	3	-	Restricted Elective	*(no NCCC course equivalent)*
		Gen Education Course	XXXX 1575 American Democracy	Exempt with AAS

Color Key	Category
Light Green	Success Marker Course (Critical Course)
Light Blue	UGETC: General Education Course