

Engineering Science AS to Electrical + Computer Engineering BS

Transfer Articulation Agreement

SUNY ADK

Course	Course Name	SUNY GER	Credits
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Year 1 - Fall

ENG 101	Writing I		3
MATH 131	Calculus I		4
CHEM 111	General Chemistry I		3
CHEM 111	General Chemistry Lab		1
EGR 105	Engineering Physics I		5
	Health and Wellness		2

Year 1 - Spring

SOC 000	General Education Elective		3
MAT 132	Calculus II		4
EGR 106	Engineering Physics II		5
ERG 120	Introduction to Engineering		3

Year 2 - Fall

MAT 231	Calculus III		4
	General Education Elective	X	3
CIS 143	Introduction to Programming		3
EGR 223	Microprocessor Architecture		4

Year 2 - Spring

MAT 232	Differential Equations and Series		4
CIS 243	Data Structures		4
EGR 204	Engineering Physics III		4
EGR 222	Circuit Analysis		4
EGR 183	Digital Logic Design		3

Total credits eligible for transfer:	66
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SUNY Poly

Course	Equivalent Course Name	Credits
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Year 1 - Fall

ENG 101	Freshman Composition	3
MAT 151	Calculus I	4
CHE 130	General Chemistry	3
CHE 130L	General Chemistry Lab	1
PHY 201	Calc-Based Physics I	5
REC 000	Recreation Elective	2

Year 1 - Spring

GE 001	General Education Elective	3
MAT 152	Calculus II	4
PHY 202	Calc-Based Physics II	5
ECE 101	Introduction to Electrical and Computer Engineering	3

Year 2 - Fall

MAT 253	Calculus III	4
	General Education Elective	3
CS 108	Introduction to Programming	3
ECE 252	Microprocessors	4

Year 2 - Spring

MAT 260	Ordinary Differential Equations and Series Solutions	4
CS 240	Data Structures	4
PHY 203	Calc-Based Physics III	4
ECE 260	Electrical Circuits	4
ECE 251	Digital Logic Design	3

Total transfer credits applied to this program:	66
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Year 3 - Fall

ECE 301	Signals and Systems	4
ECE 315	Electronics I	4
ECE 332	Semiconductor Devices	3
ECE 281	ECE Seminar I	1
ECE 382	ECE Seminar II	1

Year 3 - Spring

MAT 370	Applied Probability	4
ECE 387	Junior Design Lab	3
ECE 361	Control Systems	4
ECE 377	Communications	3

Year 4 - Fall

GE 001	General Education Elective	4
ECE 300+	Upper Division ECE Elective	3
ECE 487	Senior Design Lab I	4
COM 306	Upper Division Writing	4

Year 4 - Spring

ECE 488	Senior Design Lab II	4
ECE 323	Electromagnetics	3
ECE 300+	Upper Division ECE Elective	3
GE 001	General Education Elective	4
ELEC 000	Professional Elective	3

Total transfer credits applied to this program:	59
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Total credits required for degree:	125
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