

SUNY CANTON - ENGINEERING SCIENCE AS (530) FALL 2026

Semester 1		Crs	Term	Grade	Comment
ENGL 101	Composition & Spoken Word	3			
ENGS 101	Introduction to Engineering	2			
MATH 161	Calculus I	4			
CHEM 150	College Chemistry I	4			
PHYS 131	University Physics I	3			
PHYS 135	University Physics I Laboratory	1			

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Semester 2		Crs	Term	Grade	Comment
	Diversity Elective (GER 3)	3			
ENGS 102	Programming for Engineers	2			
MATH 162	Calculus II	4			
CHEM 155	College Chemistry II	4			
PHYS 132	University Physics II	3			
PHYS 136	University Physics II Laboratory	1			

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Semester 3		Crs	Term	Grade	Comment
ENGS 201	Statics	3			
ENGS 205	Nature & Properties of Materials	3			
MATH 263	Calculus III	4			
ECON 103	Principle of Microeconomics	3			
	Program Elective *	3			

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Semester 4		Crs	Term	Grade	Comment
ENGS 202	Dynamics	3			
ENGS 263	Electric Circuits	3			
ENGS 264	Electric Circuits Laboratory	1			
MATH 364	Differential Equation	4			
	Program Elective **	3			

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Program Electives:		Engineering programs
BIOL 150	College Biology I *	Environmental
CHEM 301	Organic Chemistry I *	Chemical, Biomedical
MECH 342	Thermodynamics *	Mechanical, Chemical
MKTX 215/216	Digital Fund & Logic Design +Lab *	Computer, Electrical
MATH ***	All advanced mathematics courses	
CITA 180	Intro to Programming **	Computer, Mechatronics
ENGS 203	Strength of Materials **	Civil, Mech/Aero
CHEM 302	Organic Chemistry II **	Chemical, Biomedical

Graduation Requirements: Total Semester Credit Hours - 64 and Minimum G.P.A. 2.0