



Glendale Community College Engineering

Engineering Transfer Certificate: Electrical Track

MATH	Description	Units
MATH 103	Calculus with Analytic Geometry	5
MATH 104	Calculus with Analytic Geometry	5
MATH 105	Calculus with Analytic Geometry	5
MATH 108	Ordinary Differential Equations	5
PHYSICS		
PHYSICS 101	Engineering Physics	5
PHYSICS 102	Engineering Physics	5
PHYSICS 103	Engineering Physics	5
CHEMISTRY		
CHEMISTRY 101	General Chemistry	5
ENGINEERING		
ENGR 100	Introduction to Engineering	3
CS/IS 135	Programming in C/C++	3
ENGR 131	Electronics and Electrical Circuits	3
ENGR 132	Introduction to Digital Electronics	3
ENGR 140	Materials Science and Engineering	3
ENGR 152	Engineering Mechanics-Statics	3
ENGR 156	Programming and Problem Solving in MATLAB	3
ENGR 240	Electrical Engineering Fundamentals	4
GENERAL EDUCATION		
ENGLISH 101	Freshman English	3
ENGLISH 104	Critical Thinking and Argumentation ⁴	3
SPCH 101	Public Speaking	3
POL S 101	Introduction to Government	3
HISTORY	United States History ⁴	3
Total Units		80

NOTES

1. Allows transfer to CSU and finish BSEE in two years.
2. Students transferring to a UC campus should also take MATH 107 Linear Algebra and CHEM 102
3. ENGR 140 and ENGR 152 not applicable for transfer to Universities other than CSUN
4. May choose ECON 111, HIST 111, 116, 117, 118 or 151

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Glendale Community College Engineering

Electrical Engineering Suggested Study Plan Transfer Certificate in Electrical Engineering (78 Units)

Sample 6-Semester Plan

	Fall Semester			Spring Semester		
	Course	Description	Units	No	Description	Units
Year 1	MATH 103	Calculus with Analytic Geometry I	5	ENGR 100	Introduction to Engineering	3
	ENGLISH 101	Freshman English	3	MATH 104	Calculus with Analytic Geometry II	5
	CHEM 101	General Chemistry	5	PHYSICS 101	Engineering Physics	5
	Total Units		13	Total Units		13
Year 2	CS/IS 135	Programming in C++	3	ENGR 131	Electronics and Electrical Circuits	3
	MATH 105	Calculus with Analytic Geometry III	5	MATH 108	Differential Equations	4
	PHYSICS 102	Engineering Physics	4	PHYSICS 103	Engineering Physics	5
	ENGLISH 104	Critical Thinking and Argumentation	3			
	Total Units		14	Total Units		12
Year 3	ENGR 152	Engineering Mechanics - Statics	3	POL S 101	Introduction to Government	3
	ENGR 140	Materials Science and Engineering	3	ENGR 156	Programming and Problem Solving in MATLAB	3
	HIST 117 or 118	History of the United States	3	SPCH 101	Public Speaking	3
	ENGR 132	Introduction to Digital Electronics	3	ENGR 240	Electrical Engineering Fundamentals	4
	Total Units		12	Total Units		13
Total Units for	78					



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Transfer