



Glendale Community College Engineering

Associate in Science Degree: Civil Engineering Track

MATH	Description	Units
MATH 103	Calculus with Analytic Geometry	5
MATH 104	Calculus with Analytic Geometry	5
PHYSICS		
PHYSICS 101	Engineering Physics	5
PHYSICS 102	Engineering Physics	5
CHEMISTRY		
CHEMISTRY 101	General Chemistry	5
ENGINEERING (Complete 12 units from the following)		
ENGR 100	Introduction to Engineering	3
ENGR 155	Engineering Graphics ⁴ (under development)	3
ENGR 140	Materials Science and Engineering	3
ENGR 141	Materials Science and Engineering Lab	1
ENGR 152	Engineering Mechanics – Statics ²	3
ENGR 156	Programming and Problem Solving in MATLAB	3
ENGR 180	Surveying	3
ENGR 230	Dynamics	3
ENGR 240	Electrical Engineering Fundamentals ³	4
ENGR 241	Strength of Materials	3
Total Units		36
Plus General Education Units		27
Total for AS Degree		64

NOTES

1. MATH 108 and PHYSICS 103 courses are recommended before transfer.
2. ENGR 152 is strongly recommended.
3. Requires MATH 108
4. May substitute ENGR 101 AND ENGR 111 for Engineering Graphics.

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GENERAL EDUCATION

ENGLISH 101	Freshman English	3
SPCH 101	Public Speaking	3
POL S 101	Introduction to Government	3
HISTORY 117 or 118	United States History ⁵	3
HEALTH		3
PHYSICAL EDUCATION		2
FIRST AID		1
SOCIAL SCIENCE		3
HUMANITIES		3
ARTS, FOREIGN LANG, LIT AND PHILOSOPHY		3