Glendale Community College Engineering

Engineering Transfer Pathway: Mechanical, Aerospace, Manufacturing Track

Glendale Community College to Cal State LA

MATH	Description	Units
MATH 103E	Calculus with Analytic Geometry	5
MATH 104E	Calculus with Analytic Geometry	5
MATH 105	Multivariable and Vector Calculus	5
MATH 107	Linear Algebra	5
MATH 108	Ordinary Differential Equations	5
PHYSICS		
PHYSICS 101	Physics for Scientists and Engineers A	5
PHYSICS 102	Physics for Scientists and Engineers B	5
CHEMISTRY		
CHEMISTRY 101	General Chemistry	5
ENGINEERING		
ENGR 100	Introduction to Engineering	3
ENGR 122	Engineering Graphics[2]	3
ENGR 133	Intro to Engineering Design	3
ENGR 140	Materials Science and Engineering	3
ENGR 152	Engineering Mechanics – Statics	3
ENGR 156	Programming and Problem Solving in MATLAB	3
ENGR 230	Dynamics	3
ENGR 240	Electrical Engineering Fundamentals	4
ENGR 241	Strength of Materials	3
GENERAL EDUCATION		
ENGLISH 101	Freshman English	4
ENGLISH 102 or 104	Critical Thinking	3
SPCH 101	Public Speaking	3
POL S 101	Introduction to Government	3
HISTORY	United States History[4]	3
Total Units		**84**

NOTES

1. Engineering students should to consult multiple sources, such as academic counselors, engineering faculty, university advisors, and student peers to plan their transfer programs.
2. Optional for students who understand engineering graphics and 3D CAD software.
3. **Allows transfer to CSULA and complete BSME in two years (60 Units). Students finishing this pathway and transferring to Cal State LA will complete 48 units of upper division engineering courses plus 12 units of general education courses at Cal State LA for the BS degree in Mechanical Engineering.**
4. Check for articulated courses.

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Glendale Community College Engineering

818-240-1000 ext. 5628

Mechanical Engineering Suggested Study Plan

Transfer Pathway in Mechanical, Aerospace, or Manufacturing Engineering

Glendale Community College to Cal State LA (84 Units)

Sample 6-Semester Plan

	Fall Semester			Spring Semester		
	Course	**Description**	**Units**	**No**	**Description**	**Units**
Year 1	MATH 103E	Calculus with Analytic Geometry I	5	ENGR 100	Introduction to Engineering	3
	ENGLISH 101	Freshman English	3	MATH 104E	Calculus with Analytic Geometry II	5
	CHEM 101	General Chemistry	5	PHYSICS 101	Physics for Scientists and Engineers A	5
	ENGR 122	Engineering Graphics	3	ENGL 102/104	Critical Thinking	3
	Total Units		**16**	**Total Units**		**16**
Year 2	ENGR 133	Intro to Engineering Design	3	ENGR 152	Engineering Mechanics - Statics	3
	MATH 105	Multivariable and Vector Calculus	5	ENGR 140	Materials Science and Engineering	3
	PHYSICS 102	Physics for Scientists and Engineers B	5	ENGR 156	Programming and Problem Solving in MATLAB	3
				POL S 101	Introduction to Government	3
	Total Units		**13**	**Total Units**		**12**
Year 3	ENGR 241	Strength of Materials	3	ENGR 230	Dynamics	3
	MATH 108	Ordinary Differential Equations	5	MATH 107	Linear Algebra	5
	HIST	History of the United States	3	ENGR 240	Electrical Engineering Fundamentals	4
	SPCH 101	Public Speaking	3			
	Total Units		**14**	**Total Units**		**12**
Total Units for Transfer		**84**				