



California State University Los Angeles

Bachelor of Science in Mechanical Engineering, Fall 2026 Curriculum Recommended Schedule, MATH 1083 or MATH 1040

Course Name
[Pre-requisites]
<Pre/Co-requisites>
of units

First Year		Second Year		Third Year		Fourth Year		Fifth Year	
13-15 units	12 units	14 units	13 units	13 units	13 units	11 units	12 units	12 units	13 units
MATH 1040 or MATH 1083 Trig/Functions 4-6	MATH 2110 Calc. I [Exam, MATH 1040, or MATH 1083] 4	MATH 2120 Calc. II [MATH 2110] 4	MATH 2130 Calc. III [MATH 2120] 3	MATH 2190 Linear Alg. & Diff. Equ. [MATH 2120] 3	ME 3000 Econ. Eng. [Junior or Senior] 3	ENGR 3010 Ethics & Prof. [Junior or Senior] 3	ME 4061 Heat Transfer [ME 3030, ME 3260, MATH 2190] 3	ME 4971 Senior Project I [ME 3230, ME 3000, ENGR 3010] <ME 4061, ME 3040, ME 3800> 3	ME 4972 Senior Project II 3
ME 1070 Eng. Math and Mechanics <MATH 1040 or MATH 1083 or MATH 2110> 3	PHYS 2100 Physics I [ME 1070] 4	PHYS 2200 Physics II [PHYS 2100] 4	CHEM 1040 Gen. Chem. Eng. 4	ME 2070 Materials Sc. and Eng. [CHEM 1040, MATH 2110] 3	ME 3030 Fluid Mech. [ME 2010] 3	ME 3140 Machine Des. Lab <ME 3230> 1	ME 4079 Thermal Fluids Lab. <ME 4061> 1	ME 4140 Machine Design II [ME 3230] <ME 3140> 3	ME 4960 EIT Exam Prep [ME 3230, ME 3000, ENGR 3010] <ME 4061, ME 3040, ME 3800> 1
ME 1079 Engineering Math and Mechanics Lab <ME 1070> 1	ME 1030 Eng. Graphics & CAD <PHYS 2100> 1	ME 2030 Intro Mech. Desi [PHYS 2100, ME 1030] 3	ME 2050 Strength Materials [ME 2010] 3	ME 3120 Strength Materials lab [ME 2050] 1	ME 3260 Thermodynam [PHYS 2100, MATH 2110] 3	ME 3230 Machine Des. I [ME 2030, ME 2050, ME 2070, MATH 2130] 3	ME 3800 Num. Meth. II [ME 2800, MATH 2190] 2	ME XXXX Elective 3	ME XXXX Elective 3
ENGR 1500 Intro to Engineering & Technology 2	Area 1C Oral Communicat. 3	ME 2010 Statics [PHYS 2100, MATH 2110] 3	ENGL 2030 3	ME 3200 Dynamics [ME 2010] 3	ME 4310 Materials Lab. [ME 2070] 1	ME 3270 Manufacturing Processes [ME 2030, ME 2050, ME 2070] 3	ME 3040 Stat. Analysis Exp. Data [MATH 2120] 3	US History 3	ME XXXX Elective 3
Area 1A English Composition 3				ME 2040 Circuit analysis for ME [PHYS 2200, MATH 2120] 3	Area 3A Arts 3	ME 2800 Num. Meth. I [MATH 2110] 1	US Constitution 3		